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THE CHEMIST AND DRUGGIST

ESTAB. 1859

REGISTERED AS A NEWSPAPER.

TELEPHONE: CENTRAL 3617.
TELEGRAMS: "CHEMICUS, ANNON, LONDON" (2 Words).

PUBLISHED WEEKLY AT 42 CANNON ST., LONDON, E.C.4.

SUBSCRIPTION, WITH DIARY 20/- PER ANNUM
SINGLE COPIES 9d

No. 2170 AUGUST 27, 1921. VOL. XCV.

Are you adequately stocked to meet the demand created by consistent advertising ?

Some of the papers used in our

"Evening News"
"Daily Chronicle"
"Daily News"
"Daily Express"
"Daily Mirror"
"Daily Sketch"
"Star"
"Weekly Dispatch"
"Sunday Express"
"Woman's Weekly"
"Woman's World"
"Home Companion"
"Overseas Daily Mail"
"Sketch"
"Tatler"
"Eve"

which are being Winter Campaign

"Birmingham Mail"
"Cardiff Echo"
"Liverpool Echo"
"Sheffield E. Telegraph"
"Nottingham E. Post"
"Belfast E. Telegraph"
"Daily Mail," Hull
"Yorkshire E. News"
"Glasgow Citizen"
"Daily Post," Preston
"Northern Daily Telegraph," Blackburn
"Express and Star," Wolverhampton
"Staffordshire Sentinel," Hanley. Etc.

This whole-page advertisement, published in the "Daily Mirror," "Daily Sketch," "Star," etc, is but typical of the compelling announcements which have appeared consistently during the summer, and will continue to appear during the autumn and winter in favour of

'Allenburys'

Foods for Infants

ALLEN & HANBURYS, LTD.
37 Lombard Street - London, E.C. 3.

There is no fear of dead stock with a live line.

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WRIGHT'S COAL TAR SOAP

has been advertised to the Public for 60 years.

Toilet & Nursery Tablets

Retail **1/9** per box ; cost **1/3**

BATH TABLETS

Retail **3/6** per box ; cost **2/6**

BATH BOWLS

Retail **12/6** ; cost **9/6** each.

For Orders to the value of **£9** and upwards.

WRIGHT'S LYSOL

Retail **1/-**, **1/9** and **3/-** ; cost **7/3**, **12/3** and **21/-** doz.

Manufacturers and Proprietors—

WRIGHT, LAYMAN & UMNEY, Ltd.

SOUTHWARK - - LONDON, S.E. 1.

Glaxo

Prices and Terms

A HAPPY BABY MAKES A HAPPY MOTHER
A GLAXO BABY

Full-Cream Glaxo

Retail.	Per Doz.
1/6 (5-oz.)	14/5
2/9 (10-oz.)	26/5
5/0 (20-oz.)	48/0

SPECIAL TERMS.

Order value not less than £6 net:

1/6	14/0
2/9	25/9
5/0	46/9½

Order value not less than £12 net:

1/6	13/8
2/9	25/1
5/0	45/7

Special Terms :

The Special Terms for goods to the value of not less than £6 net apply only when the Glaxo is ordered in complete dozens, with a minimum of 2 dozen for the 1/6 size. Carriage will be paid to the nearest railway station on goods to the value of not less than £4 net,

showing

22-24 per cent. Profit on Turnover.

Glaxo Feeders and Accessories

	Retail	Per Doz.
Complete Feeders (Carriage paid on 3 dozen.)	1/9	16/3
Spare Feeders (Carriage paid on 3 dozen.)	1/3	12/0
4-oz. Feeders (For Premature and very young Babies.)	1/9	16/3
Glaxo Teats (1 square hole, and 1, 3 or 5 leech-bite.)	4½d.	3/5
Glaxo Valves	3½d.	2/8
Glaxo Bottle Mops	4d.	3/0
Glaxo Dry Food Measure	10d.	7/6

Special Offer :

Retailers who can purchase not less than one gross of Complete or Spare Feeders or a gross of Glaxo Teats and Valves—the last two items may be assorted — should write to the Sales Manager, Glaxo House, Osnaburgh Street, N.W.1, for our special *cash with order offer,*

showing

33⅓ per cent. Profit on Turnover.

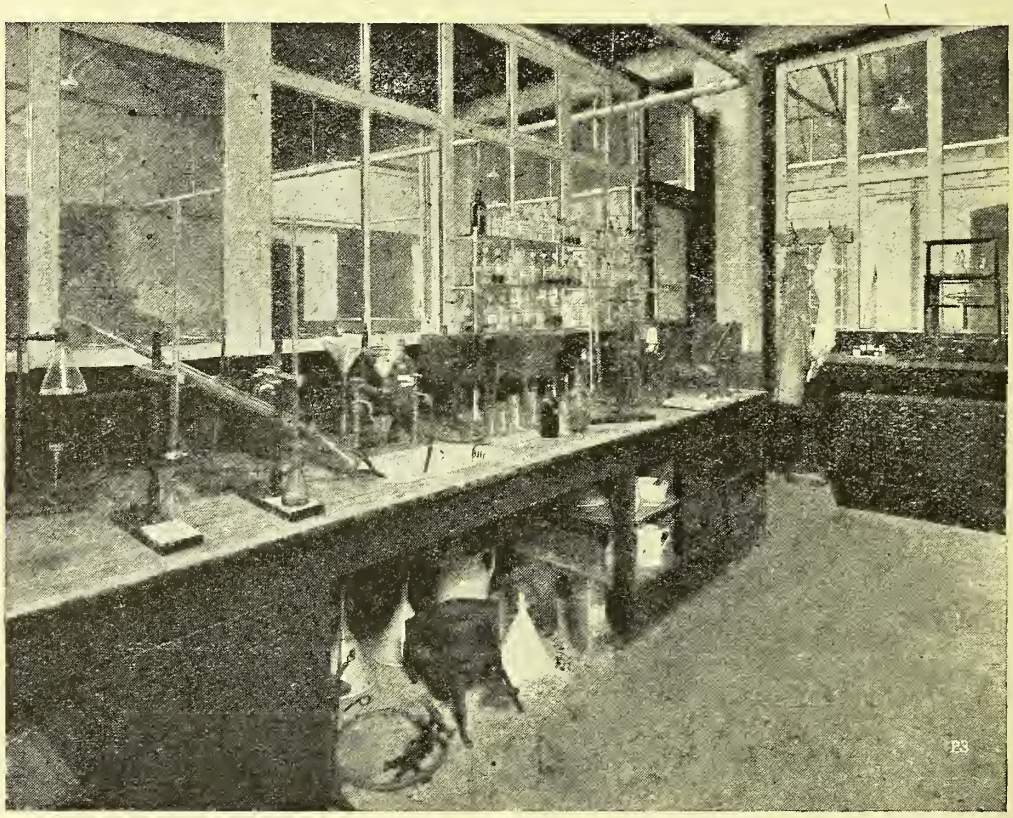
Orders should be addressed to the Dealer's usual Wholesaler, or to the Glaxo Distributing Agents as follows :

SANGERS, 42a Hampstead Rd., N.W.1.
SANGERS, Old Infirmary Buildings, Newcastle-on-Tyne.
WILLIAM HILL, Watson Street, Glasgow.
JOHNSON BROS., Great Ship Street, Dublin.
JOHNSON BROS., Duncrue Street, Belfast.

PROPRIETORS OF GLAXO : JOSEPH NATHAN & CO. LTD., LONDON & NEW ZEALAND.

Where the good DRUGS come from:

A series of Photographs of the Laboratories of Goodall, Backhouse & Co.



7. ANALYTICAL LABORATORY.

Fully equipped for carrying out the various assay processes of the Pharmacopœia and the examination of raw materials generally. Our analytical control safeguards your interests.

IF you desire *Prompt Deliveries*, at keenly competitive prices, of

DRUGS, CHEMICALS,
TINCTURES, ESSENCES,
EMULSIONS, TABLETS,
etc. etc.

why not let us send you quotations for the fine products of these highly efficient laboratories?

Lists sent gladly on application.

GOODALL, BACKHOUSE & CO. LEEDS

AN EARLY SEASON
SEED DRESSING

We shall be pleased to send samples and quotation for our well-known Carbolized Seed Dressing and Ground Vitriol, or to quote for any special formulæ, packed under agent's own name. If you have inquiry for LIQUID SEED DRESSING, we can supply an approved formula.

CARBOLIZED SEED DRESSING OR FARMERS' FRIEND.
LIQUID SEED DRESSING, NON-POISONOUS.
GUARANTEED GENUINE SULPHATE OF COPPER.
ALSO AGRICULTURAL STRENGTHS.

List and Samples on Application.

TOMLINSON & HAYWARD, LTD., AGRICULTURAL CHEMISTS, LINCOLN

HAYWARD'S SHEEP DIPS

YELLOW PASTE DIP.
POWDER & LIQUID DIPS.
COMBINED GLYCERINE DIP.
NON-POISONOUS PASTE & CAKE DIPS.

Dips packed in Chemist's name if required.

Write for Particulars to **TOMLINSON & HAYWARD, Ltd., LINCOLN.**

HAYWARD'S

Eureka WEED KILLER

Powder and Liquid.
New rail regulations have materially altered the conveyance of Weed Killer. We have arranged to meet the requirements. Write to us for particulars.

Please write for Lists, Terms, &c.

The Chemist's Favourite Brand.
Easiest to sell. Sales through Agents.

TOMLINSON & HAYWARD, LTD., LINCOLN.

"STAFFALLENS"

Telephone—
CLERKENWELL 2100 (4 lines)

Codes—
BENTLEY'S; LIEBER'S;
A B C; 5th EDITION.

Telegraphic Address—
"STAFALENS,
FINSQUARE,
LONDON."

DISTIL

ESSENTIAL OILS FROM ENGLISH HERBS AND FLOWERS—PEPPERMINT, DILL, CHAMOMILE, LAVENDER, ROSEMARY
ESSENTIAL OILS FROM FOREIGN DRUGS AND SPICES—CORIANDER, CARDAMOM, CLOVE, PATCHOULI, NUTMEG, GARLIC, PIMENTO, JUNIPER, VETIVERT
AROMATIC WATERS—ELDERFLOWER, CINNAMON, DILL, ROSE

RECTIFY

ENGLISH AND FOREIGN ESSENTIAL OILS—PEPPERMINT, CARRAWAY

IMPORT

FOREIGN ESSENTIAL OILS AND DRUGS AND SPICES—LEMON, BERGAMOT, ORANGE, CASSIA, OTTO OF ROSE, EUCALYPTUS, STAR ANISE, THYME, CITRONELLA, GERANIUM, SPIKE LAVENDER, WINTERGREEN GENTIAN, CASCARA, SCAMMONY, TRAGACANTH, NUX VOMICA, CINCHONA, RHUBARB, INDIAN HEMP, JALAP, SENNA, IPECACUANHA, ERGOT, GINGER, COCA, OPIUM, ACACIA, PEPPER

MAKE

ODOROUS AND MEDICINAL PRODUCTS FROM VOLATILE OILS—ANETHOL, EUGENOL, GERANIOL, CITRAL, THYMOL
PERFUMERS' RAW MATERIALS AND COMPOUNDS—ROSE SIMILE, JASMIN SIMILE, NEROLI SIMILE, CONCRETE ORRIS, SASORABIA, TREFLE

GROW

ENGLISH MEDICINAL & PERFUME PLANTS & FLOWERS—DIGITALIS, CHAMOMILE, ACONITE, HENBANE, DILL, COLCHICUM, BELLADONNA, LAVENDER, RHUBARB, TARAXACUM, PEPPERMINT, VALERIAN

EXPRESS

MEDICINAL FIXED OILS—ALMONDS, STAVESACRE, APRICOT KERNEL, CROTON, NUTMEG

GRIND

PURE DRUGS AND SPICES—RHUBARB, ACACIA, JALAP, TRAGACANTH, SENNA, IPECACUANHA, LIQUORICE, PEPPER, GINGER, NUTMEG, CINNAMON

EXTRACT

ENGLISH HERBS AND FOREIGN DRUGS—BELLADONNA, ERGOT, HYOSCYAMUS, NUX VOMICA, OPIUM, QUASSIA, GENTIAN
RESINS—PODOPHYLLIN, JALAP, SCAMMONY
OLEO-RESINS—GINGER, CAPSICUM, CUBEBS, PEPPER

MANUFACTURE

PRESERVED JUICES & CONFECTIONS, OINTMENTS, PILLS & PLASTERS TO FORMULÆ OF ALL PHARMACOPŒIAS

COMPOUND

TINCTURES, LIQUID EXTRACTS, LINIMENTS, ESSENCES, SPIRITS AND CONCENTRATED WATERS TO ALL OFFICIAL REQUIREMENTS, OR IN ACCORDANCE WITH CUSTOMERS' PRIVATE FORMULÆ

EXPORT UNDER BOND

PERFUME AND MEDICINAL SPIRITUOUS PREPARATIONS TO ALL PORTS

AGENTS:

INDIA & FAR EAST	TYLER BROS. (EASTERN) LTD.,	27 EZRA MANSIONS, CALCUTTA
FRANCE	RENE FORESTEAU,	7 RUE DE TRACY, PARIS
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U.S.A.	UNGERER & CO.,	124 WEST 19TH STREET, NEW YORK
AUSTRALIA	SLADE, ALLEN & CO.,	G.P.O. BOX 1540, SYDNEY
SPAIN	J. J. B. WALDRON,	APARTADO 124, SAN SEBASTIAN
ARGENTINE	DESIRE DEFOSSÉZ,	1340 AVENIDA DE MAYO, BUENOS AIRES
EGYPT	EMILE FARHI & CO.,	P.O. BOX 957, CAIRO
HOLLAND	L. F. MINARIK,	KEIZERGRACHE 164, AMSTERDAM
WEST INDIES	T. GEDDES GRANT, LTD.,	9/11 BROADWAY, PORT-OF-SPAIN, TRINIDAD
ITALY	LA DITTA FRANCESCO FERRERIO,	VIA MELZO 18, MILAN

STAFFORD ALLEN & SONS, Limited

Herb Farms & Distillery—
Long Melford, Suffolk

Head Office & Mills—
Cowper St., Finsbury, E.C.2

Export Warehouse—
Ardleigh Green, Essex

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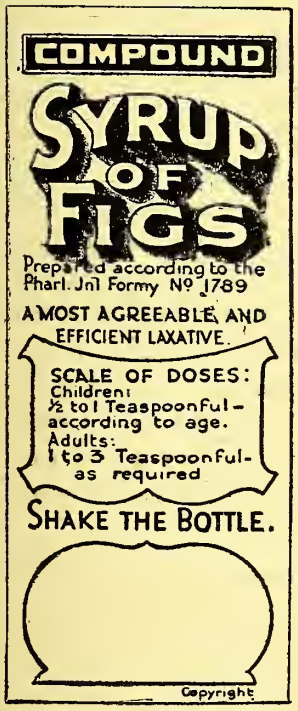

Write for Sample bottle and Show matter.

In Popular Demand

The ***CHILD*** "demands" it—
Because the taste is so delicious.

The ***MOTHER*** "demands" it—
Because it is efficient and the administration causes no trouble.

The ***PHARMACIST*** "demands" it—
Because it gives such satisfaction to his clients, and it is "OWN NAME."

The ***PUBLIC*** "demands" it—
Because it is so attractively put up and catches the eye in the pharmacist's window.

TWO SIZES: In handsome Cartons, 8/- and 13/- per doz.

DAVIES, SONS & CO. (Derby) LTD.

Bridge Street Laboratories, DERBY.

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RECORD SALES

Our sales of **Cold Cream** during the last year have been enormous—proof positive that in this particular line we stand pre-eminent. In addition to the many tons sent out in bulk, our output in 1-oz. glass jars alone amounted to over 1,500 gross. In addition to which must be added other sizes aggregating many hundreds of grosses. We pack Cold Cream in several different styles to suit all classes of trade, and if you are not already on our list we shall be pleased to mail you samples and prices.

Telephone: *HOP 2415.*

ROBERT BLACKIE,
WHOLESALE MANUFACTURING CHEMIST,
Shen Works, Tower Bridge Rd., London, S.E.1.

Telegrams: *"Ushenspuna London."*

Prepare for Winter Business—NOW!

Zonix Pellets

(Registered)

These Menthol and Liquorice Pellets are in great demand. They are made by a special process—not compressed—very pungent and strong in Menthol. A very good quality of Liquorice is used in their manufacture which makes the public remember the word "Zonix" and come to you for them again.

Two sizes of Vest Pocket Tins, 4½d. and 6d.

Small, 30/- gross.
Large, 45/- gross.

MOORLAND BRAND

LAST Winter was something of a paradox. Why? Simply because we didn't have one.

It would be unfair and quite contrary to experience to imagine last winter's mild weather and unseasonable conditions will be repeated this coming season. Now is the time for preparing our sales campaign, looking over our stock and deciding what lines shall be made a special feature of.

For some time now we have been engaged upon new ideas for increasing your sales this winter. Our art department is at your service to assist you in carrying out your own schemes, and we do not ask you to take unreasonable quantities of a line before we supply the special show matter which is such an essential if you want to do big business.

Quality and Service are the two main props of our business. Our goods are all manufactured under ideal conditions away from the smoke of the town; our workers are happy and contented, as a part of our policy is a study of their welfare, and this is returned to us with interest in the hearty co-operation we receive from them and the esprit de corps which prevails.

All this is reflected in our products which maintain a standard of excellence unsurpassed, bringing the retail pharmacist increased patronage and satisfied customers, and, not least, a profit averaging 80% on his outlay.

We shall be pleased to send you full details of any line you are considering. Make a point of examining our representative's samples and specimens of show matter.

Look out for No. 4 of Moorland Tonic!

W·B CARTWRIGHT LTD.

Moorland Pharmacy Service

RAWDON NEAR LEEDS

"Rhodia" Brand

PHARMACEUTICAL AND PHOTOGRAPHICAL PRODUCTS

Manufactured by

LA SOCIÉTÉ CHIMIQUE DES USINES DU RHÔNE, PARIS.

Acid Acetyl-salicyl *(Powder & Crystal)*
Acid Salicylic *(Powder & Crystal)*
Amidopyrazoline
Antipyrin Salicylate *(Equivalent to Salipyrin)*
Guaiacol Carbonate
Guaiacol Liquid
Guaiacol Pure

Hydroquinone
Methyl Salicylate
Piperazine
Potassium sulpho-guaiacolate
Pyrazoline *(Phenazone)*
Resorcin *(Medicinal & Technical)*
Rhodol *(Equivalent to Metol)*
Salol

Sodium Hyposulphite *(Prismatic Crystal)*
Sodium Sulphite *(Anhydrous)*
Vanillin

ENQUIRIES SOLICITED FOR SPOT OR FORWARD DELIVERY.

R. W. Greeff & Co. Ltd.

HEAD OFFICE:
THAMES HOUSE, QUEEN ST. PLACE, LONDON, E.C.4
T.N. CITY 6550 (8 LINES)
TEL. ADD: GREEFF, LONDON.

LABORATOIRE PRODUITS USINES DU RHÔNE

BRANCH OFFICE:
PALATINE BANK BUILDINGS: 10 NORFOLK ST., MANCHESTER.
T.N. CITY 5706–5707
TEL. ADD GREEFF, MANCHESTER.

BRIDGE BRAND

Pharmaceutical & Photographic Products

WHOLESALE QUANTITIES ONLY

Ichthyol Ammon. Sulphate

Acid Benzoic
Acetanilid
Bromides
Cocain
Formaldehyde
Gelatine
Pepsin
Sugar of Milk

Eucalyptus Oil

Inquiries also solicited for the whole range of

Technical, Pharmaceutical and Photographic Chemicals

SPOT & FORWARD DELIVERY

R·W·Greeff & Co·Ltd·

Thames House·Queen Street Place·London·E·C·4

Telephone·6550 City
(8 LINES.)

MANCHESTER BRANCH
PALATINE BANK BUILDINGS
10, NORFOLK STREET.
TELEPHONE·CITY 5706/5707

NEW YORK AGENTS
R·W·GREEFF & CO. INC.
78, FRONT STREET.

Dr. Cassell's Tablets

and

Germolene

The Aseptic Skin Dressing

SALES STILL BOUNDING UPWARDS

Notwithstanding the pessimistic state of the business world the sales of Dr. Cassell's Tablets and Germolene are still rapidly on the up-grade.

Why ?

Because it is inevitable. Good goods plus extensive and compelling advertising MUST mean big business. That is a mere axiom ; it needs no proof.

Somebody is undoubtedly getting extra business. IS THAT SOMEBODY YOU ? It certainly ought to be. Whilst our sales-getting messages are in the press and on the hoardings everywhere, in every town and every district, for your own sake you should show Dr. Cassell's Tablets and Germolene. Our sales figures prove that every day and everywhere people are asking for them. As a matter of business you ought to make sure that they ask YOU.

Prices :

Small Size (1/3 *retail*)	**12/5 per doz.**	*Cash Discount*
Large Size (3/- *retail*)	**30/-** ,,	*2½% 30 days.*

WINDOW SHOWS.—For displaying showcards we allow an additional 5%, and you then get the full benefit of our general advertising. With £100 parcels th cash discount is 5% in addition to the 5% for the display.

ALL GOODS DELIVERED, CARRIAGE PAID, IN FREE BOXES.

Sole Manufacturers and Proprietors—

THE VENO DRUG CO., Ltd.

Manufacturing Chemists,

MANCHESTER - ENGLAND.

Telegrams : "Seaweed Manchester." Telephone : 422 Trafford Park.

Maw's Page

August 27, 1921 No. 515

A Far-seeing Pharmacist.

Hairdressers' Supplies.

Pharmacists will find it to their interest if they will, as far as possible, confine their orders to merchants who undertake not to trade with hairdressers, and manufacturers who have the welfare of pharmacists at heart should stipulate that merchants must not resell their lines to hairdressers. As far as I can, I avoid all such firms, as well as those soap firms in combine.

August 16, 1921. *"Unite" (49/19).*

The above letter from "The Pharmaceutical Journal" of August 20th is further evidence that the retail pharmacist is realising the extreme importance of protecting the business of pharmacy against the inroads of outside competition.

Here is a pharmacist who is taking the most practical steps to restrict competition to his own profession, and to ensure future prosperity for the industry. If every pharmacist adopted this policy, outside competition would receive its death-blow.

The House of Maw has the "welfare of pharmacists at heart." Goods which bear the name of Maw are supplied only to bona-fide pharmacists to be sold at retail direct to the public. No outside trader can purchase Maw's lines; and, therefore, when you sell them you must get the benefit of all repeat business.

During 113 years of continuous business Maw's have built a splendid reputation for quality and reliability. This reputation is virtually the pharmacist's property. It is working every day and every hour to stabilise and increase his business.

Buy it at Maw's — the pharmacist's own suppliers.

Telephone: City 7 Private Branch Exchange

Telegrams: Eleven Cent London

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.

Cables: Eleven London

Code A.B.C. 4th & 5th Edition

On the P.A.T.A.

Messrs. JAMES COCKLE & CO., LTD., have pleasure in calling the attention of the Wholesale and Retail Trade to the revised terms and conditions of

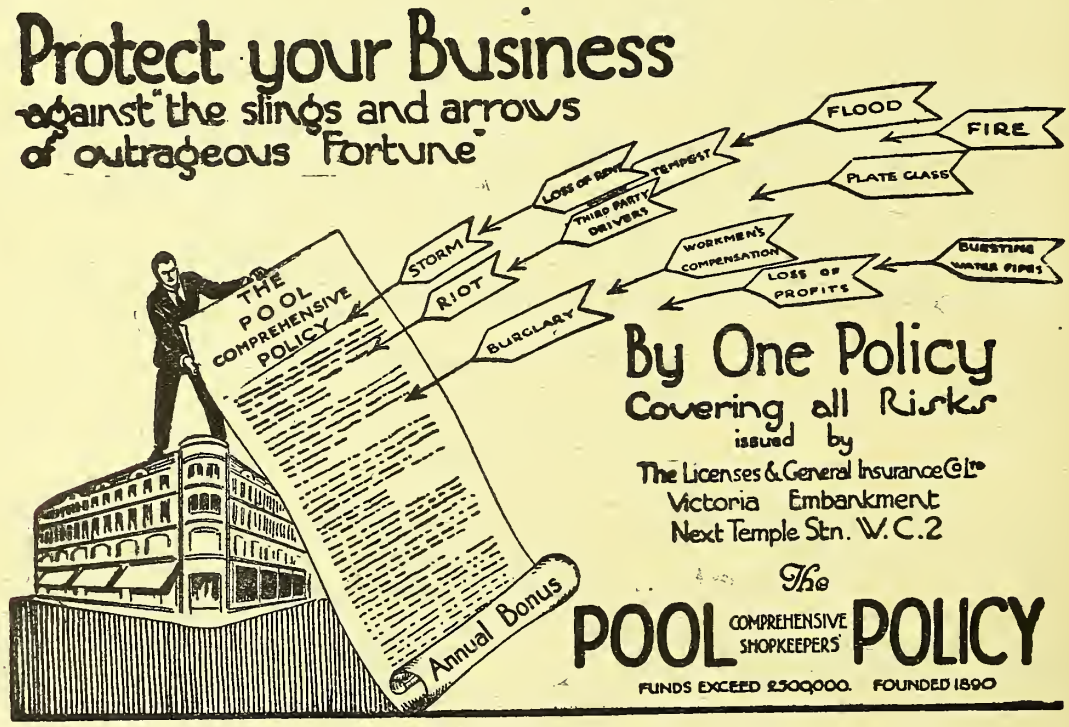
COCKLE'S PILLS

as now operative under the P.A.T.A.

SIZES		PRICES TO THE TRADE	
1/3	*Face Value*	11/6 per dozen (*Under 1 dozen*) 11/3 ,, ,, (*For 1 dozen*) 11/- ,, ,, (*For 12 dozen*)	Orders for assorted sizes equivalent in value to 12 dozen 1/3 size are invoiced at 1 gross rates. — Supplied by all Wholesale Houses.
3/-	*Minimum Selling Price*	27/6 per dozen (*Under 1 dozen*) 27/- ,, ,, (*For 1 dozen*) 26/3 ,, ,, (*For 12 dozen*)	
5/-		45/6 per dozen (*Under 1 dozen*) 45/- ,, ,, (*For 1 dozen*) 44/- ,, ,, (*For 12 dozen*)	

Orders and business communications should be addressed to—

FASSETT & JOHNSON LTD., 86 Clerkenwell Rd., LONDON, E.C. 1.



BAISS BROTHERS

& COMPANY, LTD.

Established 1833.

SEASON 1921–1922.

New Designs and Attractive Showcards are now Ready.

EMULSION
OF
COD LIVER OIL
with Hypophosphites.

The Superiority of this Emulsion is well-known, and the prices assure a full margin of profit. All previous years' designs are available.

WRITE FOR PARTICULARS.

BAISS BROTHERS
AND COMPANY, LTD.

Wholesale & Export Druggists, Manufacturing Chemists & Makers of Surgical Instruments,

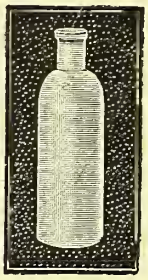
Grange Works, 174, 175, 176 GRANGE ROAD, BERMONDSEY, LONDON, S.E. 1.

"NORTH, 2770-2 (3 Lines)"

These are our telephone numbers, make a note of them and ring us up for all lines in GLASSWARE, especially if you are in a hurry and want immediate delivery.

KALI.

KALIS.
LIMES.
MEDICALS.
EAU DE COLOGNES.
OPAL POMADES.



LIME.

SMELLING-SALTS.
SYRINGES.
DROPPING BOTTLES.
SURGICAL GLASSES

MEDICAL.

CHEMICAL & LABORATORY GLASSWARE, TEST TUBES, VIALS, BURETTES, SAMPLE TUBES, &c. &c.

TABLET BOTTLE.

TWO-ENDED FEEDER.

Wholesale Only.
No Retail Firms Supplied.

Narrow-mouth SHOP ROUND

JULES LANG & SON,

CHARLTON WORKS,

CHARLTON PLACE, ISLINGTON, N.1.

Telephones: North 2770-2 (3 lines).
Telegrams: "Assorted, Phone, London."

Codes: A B C, 5th Edition. Scott's 10th Edition (1906). Bentley's Complete Phrase Code.

PLEASE MENTION THIS PAPER WHEN ENQUIRING.

AYRTON'S WEEKLY PAGE 15

YOUR CONTRACT PROTECTS YOU

against a falling market. Should there be a reduction in the price of

AYRTON'S "PERFECT"
COD LIVER OIL EMULSION

the balance of your contract would be invoiced at the **LOWER PRICE**—on the other hand, should the market advance we would invoice at **YOUR CONTRACT PRICE.** The season for Emulsion is now here—you cannot offer your customers a purer or more palatable Emulsion than Ayrton's "Perfect" Emulsion—it looks like thick rich cream and tastes even nicer than it looks. We guarantee it to be manufactured with this season's Norwegian Cod Liver Oil and entirely free from fishy odour and taste.

"Fleet" Brand, 33⅓ % only.
Book your winter's requirements *now*.

BULK PRICES.

Containing 25 % Pure Norwegian Cod Liver Oil.

	5-10 gals.	11-20 gals.	21-50 gals.	100 gals.
Per gallon	6/9	6/6	6/3	5/9

Containing 33⅓ % Pure Norwegian Cod Liver Oil.

Per gallon	9/6	9/3	9/-	8/6

We pack this "Perfect" Emulsion under a variety of styles, and shall be pleased to send free samples, prices and specimen labels on request. Chemist's name and address will be imprinted on labels for orders of three dozen and upwards. Send a post card to-day!

AYRTON, SAUNDERS & CO. LTD

Manufacturing Chemists **Hanover Street, LIVERPOOL**

ESSENFLOUR PRODUCTS LTD.

MYSORE (S. INDIA)

Distillers of Essential Oils and Manufacturers of Perfumery Products

AMBRETTE SEED OIL
CARDAMOM OIL
CALAMUS ROOT OIL
CORIANDER OIL
CINNAMON BARK OIL
CINNAMON LEAF OIL (a Speciality)
CLOVE OIL B.P.
DILL OIL (East Indian)
EUGENOL
GINGER OIL
NUTMEG OIL
PATCHOULY OIL
VETIVERT OIL (S. Indian)

Sole Agent for Europe—

K. B. MAVLANKAR

26/27 Hatton Garden, LONDON, E.C.1

and 29 Corporation Street, MANCHESTER.

1

Shipkoff's Pure Otto of Rose

The TEST of Cheapness is QUALITY—not PRICE

SHIPKOFF'S OTTO OF ROSE is the Cheapest, because it is the *Best Otto* in the market. It is the *Standard Brand*—always *pure, uniform*, and *one quality only*. Before placing your contract, be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 and 4-oz. sizes.

ONCE TRIED—ALWAYS USED.

Highest Awards at all Universal Expositions, including Four Grand Prizes.

Shipkoff & Co., Kazanlik, Bulgaria.

BRANCH OFFICE IN SOFIA.

Model Steam Factories in Kazanlik, Kalofer, Kerlovo and Rahmenlari. London Depot—

G. P. & J. BAKER, LTD., 5 Giltspur St., Newgate St., E.C. 1.

I. ISAACS & CO.'S

WELL-KNOWN

DISPENSING BOTTLES

are now sent Carriage Paid

FURTHER REDUCTION IN PRICES this month.

Also VIALS, BLUE POISON, Etc.

Particulars on application to Head Office:

NORTH LONDON GLASS BOTTLE WORKS,
106 Midland Road, LONDON, N.W.1.

ESTABLISHED 100 YEARS.

DODGE & OLCOTT CO., 20 MARK LANE, LONDON, E.C. 3.

THE "D & O" BRAND

is the "Standard of Quality" for

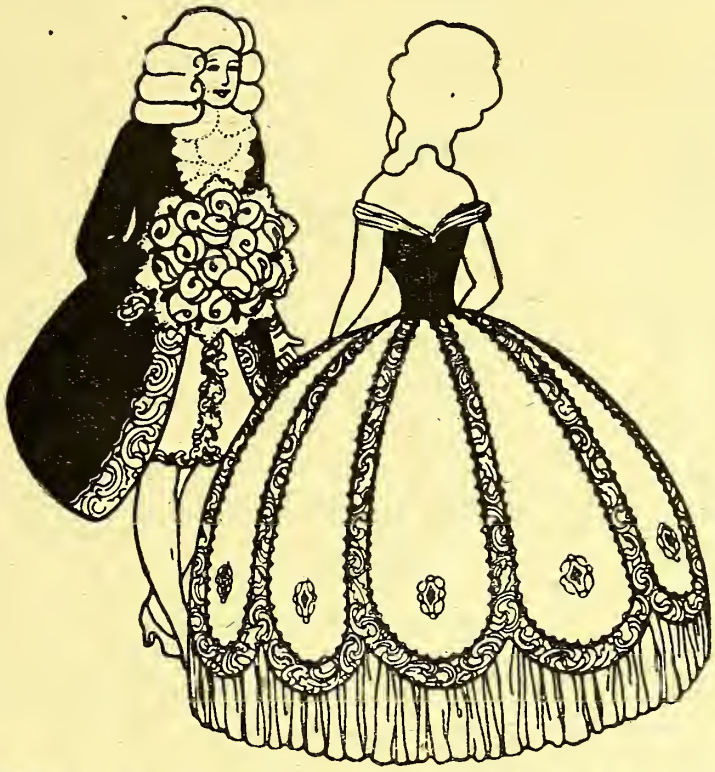
OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.

BALSAMS of Copaiba, Peru, Tolu,

TONKA BEANS, Angosturas.

Phone— CITY 2468.

Telegrams— "EGDARF, FEN, LONDON."



DISTOL OTTOS

make

Perfumery of Distinction

AN Ounce of any of the forty Distol Ottos makes eighty-one ounces of perfume of the highest distinction, by the mere addition of S.V.R. and Aqua Dest., without the need for tinting, filtering, blending, distillation or any other time-absorbing process, at a cost varying from 12/- to 19/6 per pint (according to the proportion of Spirit used). Distol Perfumery enables the Pharmacist to compete successfully on a basis of either price or quality.

Distol Ottos are sold in 1 oz. bottles at the uniform price of 7/6 per ounce. Samples of perfumes made from any six free on application.

THOMAS KERFOOT & Co LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

COPYRIGHT

PAPIER POUDRÉ

TRADE MARKS

"LEHCARESOR."

Papier Poudré

British Made Goods.

Beware of Spurious Imitations

Note our Trade Marks.

REGISTERED

PAPIER POUDRÉ, LTD.,
46 Baker St., Portman Sq., London, W.1.
and in Paris.

WHITE, ROSE or RACHEL Tints, 4d., 6d., 8d. and 1/4 size Booklets, 2/8, 3/9, 5/- and 10/- per dozen net, respectively.

SUNBURN TINT, 8d. & 1/4 sizes only, 5/- & 10/- per doz. net.

REFILLS to Mirror Cases in White, Rose or Rachel ... ... **2/8** per doz. net.
8d. SHAVING PADS, for Use after Shaving (unscented). White only ... **5/-** per doz. net.

POPPŒA ROUGE

A most popular line. (Regd.)

Made in booklet form. One size only, viz. **1/–**, at **8/–** per dozen net.
Mirror Cases 1/4 at **10/–** per doz. **Refills** for same **6d.**, at **3/9** per doz. net.

NOTICE TO THE TRADE.—As supplies of material have now reached a state of normal condition we are in the position of being able to execute all orders.

PAPIER POUDRÉ, Ltd., 46 BAKER STREET, PORTMAN SQ., LONDON, W.1

There are Baby Powders and Baby Powders

ranging in quality from the ordinary Violet Powder type to the highly absorbent, delicately perfumed and efficiently antiseptic grade.

Even on the principle that nothing is too good for Baby, and further, that giving satisfaction to his customers by handling a super-quality line is good business, the retailer must discriminate in his purchases of this commodity.

But when these merits are combined with exceptional terms, namely—

a **10½d.** article at 6/6 per doz. showing an *assured* profit of **38** per cent. on Sales and when purchased on best terms—with a special bonus of **18** free boxes, showcards, etc.—a profit of over **45** per cent.,

such a line must compel the immediate attention of the Pharmacist.

"SANOID" BABY POWDER alone offers you all these advantages.

Write to-day—

Cuxson, Gerrard & Co., Ltd.,
OLDBURY, near BIRMINGHAM.

23% = 77%

It doesn't look correct, does it?—but it is. Just under 23% of our Chemist customers entered for our Window Display Competition, and that 23% did as much business with us during the period as the remaining 77% who did not enter.

From all quarters we have received letters telling us of turnover in Eucryl goods increased many hundreds per cent. owing to the display given.

There is no popular selling line which shows you so big a profit as does Eucryl, and there is no line which it pays so well to show.

Give Eucryl Dentifrices a real Window Show, and you will draw new customers to your shop and increase your whole turnover.

Display material that attracts sent on application.

Write now, before you forget, for full particulars of our quick-selling lines and Display Bonus.

EUCRYL Tooth Powder, 7½d., 1/2 and 1/6.
EUCRYL Tooth Paste, 7½d., 10½d. and 1/3.
EUCRYL Blue Seal Shampoo Powders, 4d.
EUCRYL Denture Powder, 7½d.
(For cleansing Artificial Teeth)
LYSOL (Lycryl Brand).

EUCRYL, Ltd., Shirley, Southampton.

DE LUZY

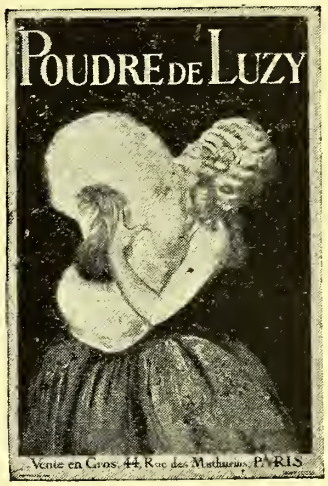
A name that signifies perfect satisfaction to the chemist and his customers

QUALITY · · AND
PACKING PERFECT
— PRICES RIGHT —
GOOD · DISPLAY
MATERIAL

CREME to retail at
1/3, 2/6, 3/9

POUDRE to retail at
10½d., 1/9, 3/6

WRITE FOR SAMPLE AND TERMS.



SHAVING SIMMS TRADE SET IN RUBBER MARK BRUSHES

A series of outstanding merit. Each in box—each guaranteed—over 100 models from 2/3 to 63/- retail. All splendid value. Less 33⅓%

Shaving brushes do not usually receive sufficient prominence in a window or counter scheme. Many more men would buy a new brush if sufficiently tempted to do so.

Show cards as illustrated, 10″ × 14″ in blue, black and gold sent with all orders for a dozen or more brushes.

Window bills are provided. Instructions for salesmen, and glass counter cases can also be supplied.

ORDER A TRIAL RANGE GIVING RETAIL PRICE REQUIRED

W. H. CALNAN & CO., LTD. 30-32 LUDGATE HILL LONDON :: :: E.C. 4

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY - For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
SILMERINE - - Hair curling fluid.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo.	22/6	2/6
JETTALINE - - - For clearing the skin.	31/6	3/6
PHEMINOL - - - A depilatory.	36/-	4/-
TEKKO PASTE - - Camphor cream.	22/6	2/6
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX - A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads.	36/-	4/-
BARSYDE - - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair.	22/6	2/6
LIQUID PERGOL - - To check excessive perspiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
COCONOIDS - - For figure development.	31/6	3/6
HARAPOSA - - - Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES:

AUSTRALIA:
ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON, Ltd.
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg).

INDIA:
KEMP & CO., Ltd. (Bombay).
THE INTERNATIONAL TRADING CO., Princess Street (Bombay).
R. MACLURE (Madras).
SMITH, STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta).
JAMNADAS BROS. (Bombay).

NEW ZEALAND:
SHARLAND & CO., Ltd. (Auckland & Wellington).

SOUTH AMERICA:
DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

"Jackel's Cream"

(without Grease)
for THE HAIR
Sold everywhere
Established 1883.

CRYSTALLISED
1/9 CREAM 2/6
Trade Mark attached to each bottle.

"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

Prices for Wholesale and Export Houses on application.

Jackel et Cie (of Paris) Ltd..
Sauchiehall Street
GLASGOW.

Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone." A big vigorous impressive advertising campaign, covering the whole of the British Isles, is now being pursued. A vastly increased volume of business is inevitable. Generous profit to the trade has been arranged.

TATCHO
THE HAIR GROWER
Price 2/9

Wholesale:
26/-
PER DOZEN.

TATCHO-TONE
FOR GREY HAIR
Price 4/6

Wholesale:
42/-
PER DOZEN.

GEO. R. SIMS' HAIR RESTORER CO.
5 Great Queen St., Kingsway, LONDON, W.C.2.

Increasing Popularity of "HARLENE HAIR DRILL."

EVERY DAY EMPHASISES THE NECESSITY FOR MEETING THE PUBLIC DEMAND.

(See Special "Carriage Paid" Offer below.)

The widespread publicity initiated by the Proprietors of "Harlene" over a number of years and vigorously maintained right up to the present time, in spite of many difficulties, continues to draw an immense response from all parts of the country. Thousands of sample parcels are despatched daily, thus increasing the number of possible customers to retail stores everywhere.

HAVE YOU A GOOD STOCK OF "HARLENE HAIR DRILL" PREPARATIONS?

NOTE—The Contents of the Free HARLENE OUTFITS Comprise:

1. A Trial Bottle of "Harlene"
2. A "Cremex" Shampoo Powder
3. A Trial Bottle of "Uzon" Brilliantine
4. Book of Instructions

FOLLOW THE TIDE OF SUCCESS.

Watch the Great Free Gift Advertising Campaign that brings the Customers to your Shop.

IMPORTANT NOTICE.—We are pleased to announce that, owing to the slight drop in cost of raw materials, we are now able to execute ***orders carriage paid*** on parcels of assorted goods to the value of £5 and upwards, net. Case charged 2/6 extra, allowed for in full if returned, carriage paid, within 7 days.

This Special Offer is Strictly Cash with Order.

Free Cases are entirely discontinued. In no circumstances will carriage be paid on orders less than £30, where goods are charged to a/c. Every Chemist and Stores should avail themselves of this profitable £5 Carriage Paid Parcel Offer ***at once.***

EDWARDS' HARLENE, Ltd. 20, 22, 24 & 26 Lamb's Conduit Street, - LONDON, W.C. 1.

An established favourite and ready seller.

"DUCHESS" (REGD.)

ASSORTED

TOILET SOAP

4½d. Tablets.

PRICE PROTECTED. *NO CUTTING.*

SALE RESERVED exclusively to Chemists.

Send for Price List to "ERASMIC," Perfumers, WARRINGTON.

"IRISH ELEGANCE" [Regd.]

The Winning Perfume—Fragrance of Midsummer Roses.

In three sizes	*Wholesale*	*Retail*
Small	28/- doz.	3/6
Medium	48/- „	6/-
Large	168/- „	21/-

Usual Trade Terms.

PRODUCT OF

The EVAN-WILLIAMS Co., Ltd.

18-18a Ogle Street, London, W. 1.

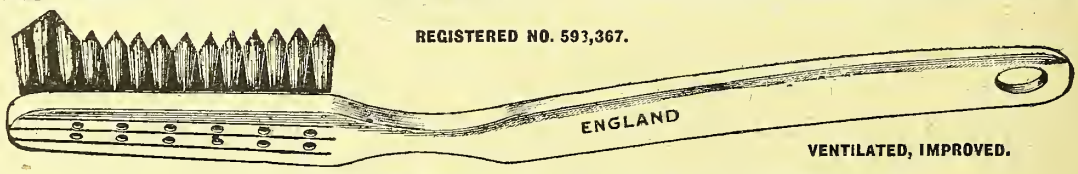
SHOWCARDS SUPPLIED.

ROBERT ADDIS & SON,

Tooth Brush Manufacturers,
London Brush Works, London Fields, E.8.

The "ASEPTIC" or "PROPHYLACTIC."

When not in use, a Tooth Brush should not be allowed to remain wet, or it becomes offensive. The advantage of this Brush is—it can be hung up to drain, allowing the air to dry and purify it.



REGISTERED NO. 593,367.

VENTILATED, IMPROVED.

To be obtained from Wholesale Houses. Packed in cartons, facilitates sales and ensures brush reaching user in clean and antiseptic condition.

Pears'

create two things for you

1. TRADE — *by expert and most extensive advertising*

Millions of people every week read about Pears' Soaps and luxuries for the toilet. Attractive and convincing advertisements in the newspapers, bold and artistic reminders on the railways and in the tubes and omnibuses, create a demand for Pears' goods which grows as time goes on. This trade is waiting for you.

2. GOODWILL *—by the satisfaction Pears' goods give*

For 130 years now Pears have held the foremost place in public esteem solely because they have set a standard of excellence from which they have never deviated. There is nothing Pears make which you can not recommend with full confidence — nothing that is not supreme — and most desirable of its kind.

These two lines are typical of Pears' pre-eminence in the toilet world.

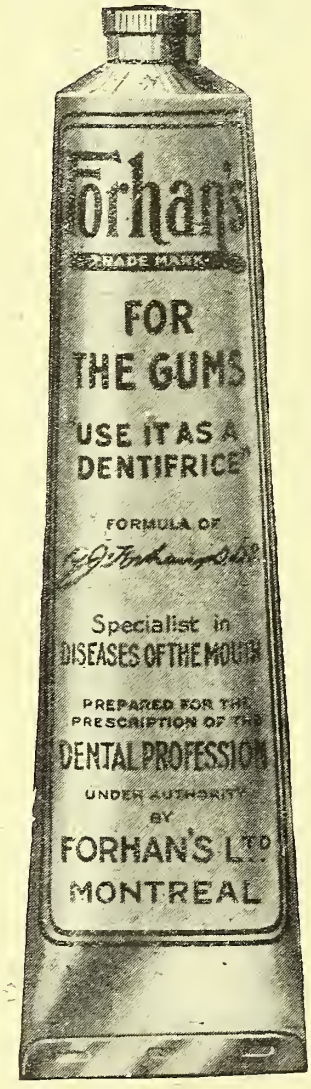
Pears'
TRANSPARENT SOAP

Pears'
GOLDEN SERIES of toilet luxuries

Write for our generous trade terms to-day and take the business we are making for you.

A. & F. Pears, Ltd., 71-75, New Oxford Street, London, W.C. 1.

Forhan Advertising Carries This Message to Millions



Every week millions of newspaper and magazine readers over the country, many of them your customers, are being told the Forhan message.

They are learning that Forhan's For the Gums fulfils the two primary functions of a dentifrice—keeping teeth clean and white, making gums sound and healthy.

They are advised that Forhan's, used in time, and used consistently, prevents or checks the progress of Pyorrhea, which threatens the teeth and the health of the great majority of adults.

Stock Forhan's For the Gums, and let this unusually effective campaign help bring more business into your shop. May we supply prices and full trade information?

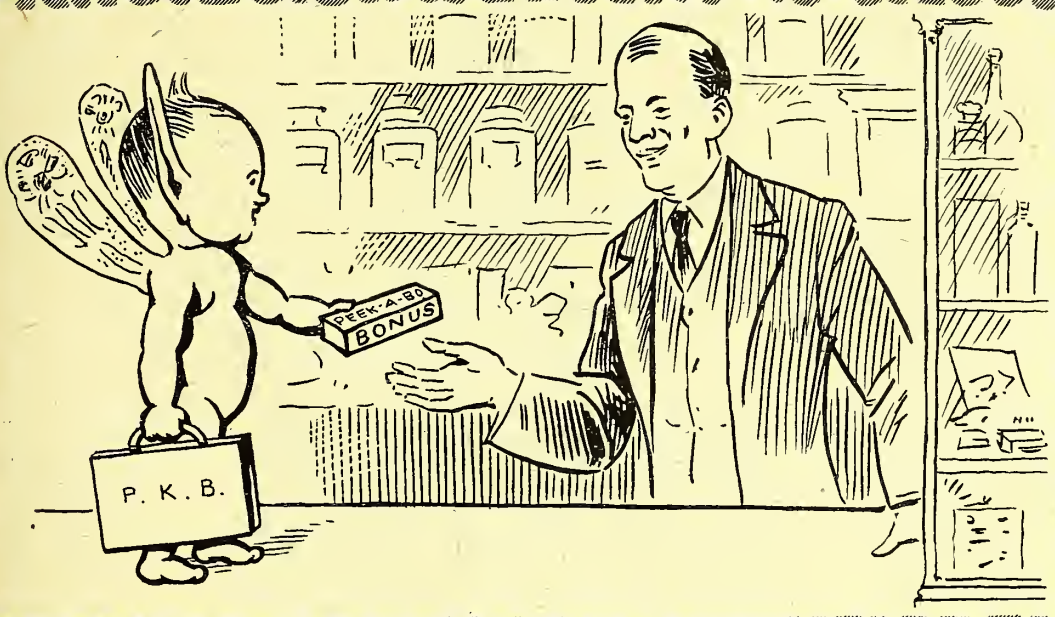
Thos. Christy & Co.
4-12 Old Swan Lane, London, E.C. 4

Forhan's
FOR THE GUMS

PEEKABO SERIES. 2

THE PEEKABO KID

encouraged by his initial success on the road, decides to offer a Bonus to Chemists making a Window Show of the Wonderful PEEKABO SOAP.



For a minimum order of 2 Doz. boxes of 3 tabs we will send Carriage paid, and enclose

FREE BONUS OF 1 DOZ. TABLETS FULL SIZE

together with 50 Coloured Picture Books containing the story of the PEEKABO KID and his wonderful Soap, and a supply of Showcards for helping the display. This offer is to Pharmacists only. LARGER QUANTITIES PRO RATA.

For Specimen of the PEEKABO Picture Book & further details write EVANS SONS LESCHER & WEBB Ltd., Liverpool and London.

Peldo

(Patent applied for) SKIN CREAM

To OUR RETAIL FRIENDS

Dear Sir,

You will doubtless have noticed our previous advertisements re the above ("C. & D." July 23rd, 30th, & Aug. 6th, page 25). Briefly, "Peldo" marks a new departure in the cleaning of hands after dirty work, the idea being to prevent the dirt coming in actual contact with the skin by previously covering the hands with a soluble skin of "Peldo." The operation takes but a few seconds and the subsequent washing is particularly easy and agreeable. "Peldo" Skin Cream appeals to an enormous class, viz., Motorists, Motor Cyclists, Lady Owner-Drivers, Housewives, Typists, Gardeners, &c. We are now regularly advertising "Peldo" in the chief Motor Papers, e.g., "Autocar," "Motor Cycle," "The Motor," "Light Car and Cycle Car," "Motor News" (of Ireland), &c., and we are anxious that you should have a large share of the business in this article which will undoubtedly follow. To assist our friends, in addition to the proposals set out below, we are prepared to furnish individual chemists with typewritten letters which they can address personally to those of their customers whom they know to be interested in motoring, etc. We invite correspondence relating to this.—Yours faithfully,

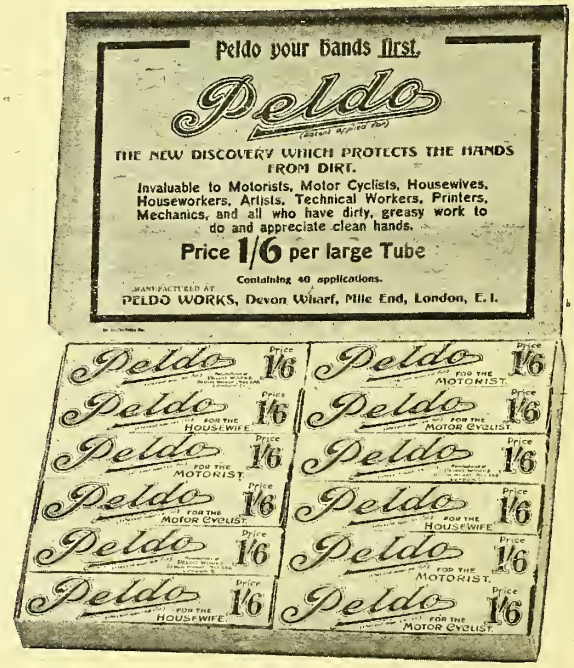
C. R. HARKER, STAGG & MORGAN, LTD.

RETAIL PRICE

1/6

EACH NET (P.A.T.A.)

Attractive Window Display material and Showcards supplied. Sample Tubes supplied gratis in proportion to quantity ordered.



WHOLESALE PRICE

13/6

PER DOZEN

In order to introduce "Peldo" we are offering a special bonus for a guaranteed window display of not less than 14 days as follows:

On Orders of 1 gross a bonus of 18 full-size tubes

On Orders of 6 dozen a bonus of 8 full-size tubes

On Orders of 3 dozen a bonus of 3 full-size tubes

Further particulars on application to

C. R. HARKER, STAGG & MORGAN, LTD.

Devon Wharf and Bell Wharf, EMMOTT STREET, MILE END, E. 1.

FROZEN EAU DE COLOGNE

In Glass Jars with
SILVER-PLATED SCREW CAPS.

20/-
per dozen.

20/-
per dozen.

CUSTOMERS' NAME FREE
ON
3 Dozen Orders.

FROZEN LAVENDER WATER

Manufactured by—

Telephone:
HOP 4170
(2 lines)

WILLIAM TOOGOOD LTD
77, SOUTHWARK ST
LONDON, S.E.1.

Telegrams:
"TOOGOOD,
BOROH,
LONDON."

Better Soaps - - Better Profits

"SAPON" SOAPS REPRESENT THE ONLY GREAT ADVANCE IN SOAP CHEMISTRY FOR MORE THAN 100 YEARS.

We are in no way connected with any combine of soap makers.

WRITE FOR PRICE-LIST OR PHONE 934 BANK.

SAPON SOAPS, Ltd., LONDON BRIDGE E.C. 4

ADS©ADS©ADS©ADS©

ODO-RO-NO

TRADE MARK REG. U.S. PAT. OFF.

THE ANTI-DRESS SHIELD TOILET WATER

Effectively corrects excessive perspiration.

Sales still increasing. Write for display terms.

Distributing Agents:

The American Drug Supply Co.

6 Northumberland Avenue, LONDON, W.C.2.

Obtainable from al Wholesalers.

ADS©ADS©ADS©ADS©

Re YOUNG & BARRACLOUGH, LTD.
(In Liquidation).

Important Notice.

WILLIAM FOX & SONS, having purchased the stock of printed matter and the Registered Trade Mark rights to the well-known Brand

"YOBAR,"

will be pleased to answer all enquiries and to execute all orders for the above firm's Packed Specialities.

Wm. FOX & SONS
Wholesale Botanical Druggists
Castle Street, SHEFFIELD.

Orisal Regd.

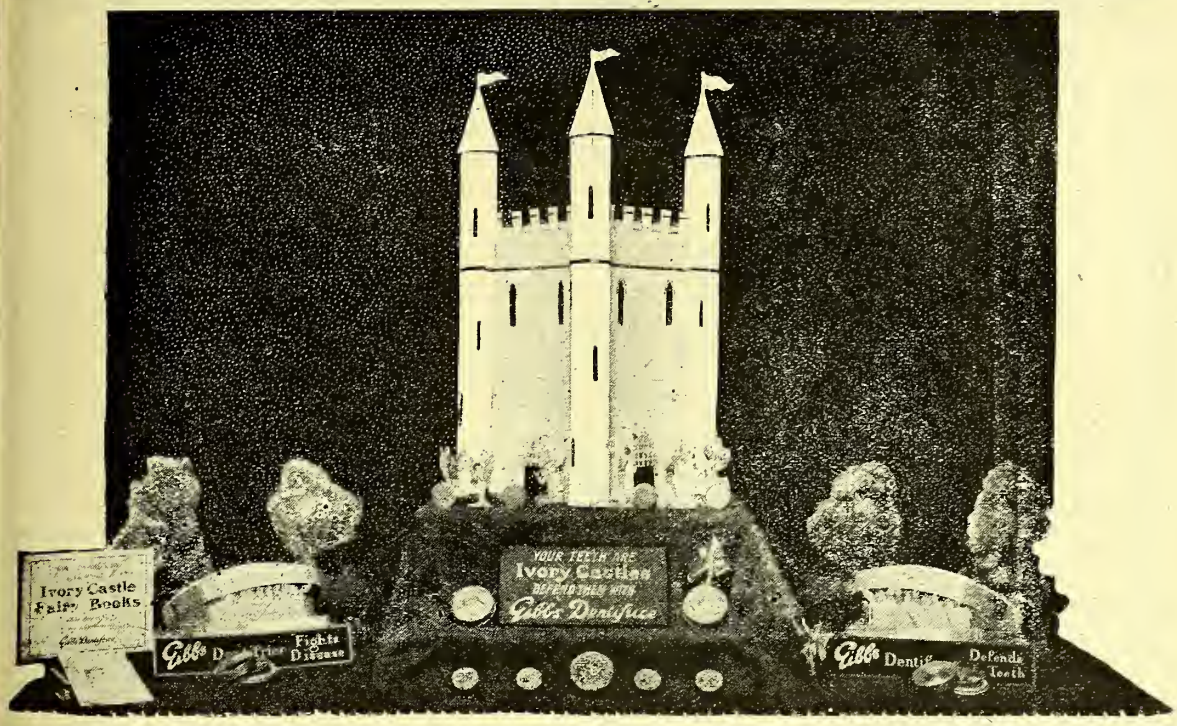
The Original & Successful Remedy for PYORRHŒA
Prescribed by the Dental Profession.

PRICES.

	Wholesale (including Government Duty)		Retail	
Dental Paste	22/–	per doz.	2/6	per tube
Mouth Wash	44/– & 27/– ,,	,,	1/– 5/– & 3/–	,, bottle
Special Brush	24/–	per doz.	2/6	each
Dental Tooth Powder (Large Size)	18/–	,,	2/–	,,

Of Wholesalers, or direct from

ORISAL Ltd., 77 George St., Portman Sq., W.1.
Telephone No.: Mayfair 2899.



"We are already Sold Out!"

Tributes to the phenomenal success of

The Ivory Castle Window Display

EVERY post brings us scores of letters testifying to the success of this wonderful sales-producer—success reckoned in terms of £ s. d.

Wherever the Ivory Castle Window Display is shown, local interest becomes intense—resulting in a remarkably rapid clearance of the Gibbs Preparations and urgent demands for fresh stocks.

Space permits us only to bring before you the following extracts from three letters taken at random from the pile:

"Many thanks for Ivory Castle material. We have made an excellent full front-window display. Please send more as per order, *as we are already sold out.*"

"We are pleased to inform you that the Ivory Castle Window Show that took place at our 325 King's Road shop for the last fourteen days has met with a great success, so much so that we had to repeat our order for 2 gross of French Dentifrice on the fifth day of the show. The trouble we went to with your show has well repaid us, and we have no doubt that this news will be very gratifying to your good selves."

"The Window Display arranged by you has already been productive of most satisfactory results, and I am very pleased indeed with the attraction it has caused."

The display comes to you complete in every detail. It can easily be adapted to suit any style of window. The dominant feature consists of a brilliant Ivory Castle standing 24 inches high, on a draped pedestal that can be arranged to suit any height of window, thrown into sharp perspective by a sombre background. The castle is manned by quaint elves and dainty fairies in colours. A selection of showcards, cutouts, etc., is also supplied, together with sufficient copies of "The Ivory Castle Fairy Book" for one to be given free to each purchaser of GIBBS DENTIFRICE.

Write now for full particulars of the liberal terms on which this display will be sent you. It is a costly production, and the supply is perforce somewhat limited, so write now—a card will do.

D. & W. GIBBS, LTD. (Dept. S 9)

Gibbs Dentifrice

City Soap Works, London, E. 1.

Salesmen in ten thousand Bathrooms!

IN thousands of bathrooms the comfort and pleasure of using a Sorbo Sponge is daily making Sorbo Sponge owners more enthusiastic. They praise Sorbo Sponges to their friends; tell them how clean and velvet-soft they are; how they never get slimy and how delightful they are to use with soap.

Sorbo Sponges are coming to be regarded as the sponges for every purpose. Every single customer who comes into your shop is a prospective customer for a Sorbo Sponge. If they use sponges they need Sorbo Sponges.

Increase your turnover and increase your profits.

Take advantage of the reduced retail price and the increased profit which you get. Order a stock of Sorbo Sponges—packed in the new hygienic transparent cover—NOW.

Sorbo Sponge

THE MOST ABSORBENT RUBBER SPONGE

Retail Prices:

No. 1, **1/3**; No. 2, **2/-**; No. 3, **3/-**; No. 4, **5/-**; Bath Sizes, No. 4R, **7/6**; No. 5, **10/6**.

Sorbo Rubber Sponge Products, Ld.

24 WALBROOK, LONDON, E.C.4.

Telephone: City 9372. Telegrams: "Osorbeau, London"

P.A.T.A. NOTICE.

18 Tavistock Square, W.C.1.

August 27, 1921.

The following prices are now in force:—

Size	Minimum Retail Price.	Minimum Wholesale Price.
Papier Poudre Ltd., Preps.:—		
1/6 Mirror Case (containing pad Papier Poudre)	1/6	13/9
(Refills for same)	4d.	2/8
1/6 Mirror Case (containing pad Poppœa Rouge)	1/6	13/9
(Refills for same)	6d.	3/9

Manufacturers of TOILET & PERFUMERY articles of a Proprietary character, sold largely in the Drug Trade, are cordially invited to place these preparations on the Protected List.

All enquiries on the subject to the Secretary will be promptly attended to.

FOUR PERTINENT TEST QUESTIONS

With a special bearing on the subject of
EFFECTIVE CIRCULATION

It is suggested that these queries might be addressed by advertisers to publishers of trade journals:

1. **Can you show an accountant's certificate guaranteeing a definite circulation made up of paying subscribers?**
2. **Is the total amount of the subscription devoted solely to securing the services of your journal?**
3. **Are the business addresses of these subscribers open to inspection?**
4. **Are your subscribers actual buyers (for use or for re-sale) of the goods we have to offer?**

TO ALL THESE STRAIGHTFORWARD QUESTIONS SATISFACTORY ANSWERS CAN BE GIVEN SO FAR AS THE CHEMIST & DRUGGIST IS CONCERNED. Anyone, therefore, who has goods to offer to buyers of chemicals, drugs, druggists' sundries, perfumery, toilet articles, or allied products knows that in utilising its advertising pages waste publicity is eliminated.

Write for rates and further particulars to
THE PUBLISHER, THE CHEMIST AND DRUGGIST,
42 CANNON STREET, LONDON, E.C.4.

ESTABLISHED 1880.

CONCENTRATED INK TABLETS

Black, Blue-Black, Blue and Red.

Readily soluble in cold water. In boxes of one dozen packets of four tablets, and each packet making one gallon of ink of the very highest quality, and at an almost nominal cost. We use these inks ourselves, and suggest to buyers abroad especially that it is unnecessary to pay heavy freight and charges in importing tons of water as is the case with the ordinary inks.

COD LIVER OIL EMULSION, 33%, 9/- gallon.

4	6	8	12	16	24	32 oz. W.G. Bottles.
8/-	11/-	13/-	16/-	22/-	28/-	40/- per doz.

COD LIVER OIL (finest Non-freezing Norwegian)

In 25-gallon tin-lined barrels free, special close rates given. C.I.F. most ports abroad, for five barrels.

CASTOR OIL (finest new French, almost white)

Close rates given f.o.b. Marseilles, or c.i.f. principal ports abroad. Usual tins and cases or barrels free.

CARBOLIC ACID (palest liquid, 98%)

Lowest prices either f.o.b. or c.i.f. ports abroad.

ZINC OXIDE "PURISS" 99·8%

The purest, lightest and whitest Zinc on the market.

H. E. STEVENSON & CO.

MANUFACTURING CHEMISTS & WHOLESALE DRUGGISTS.

122 Great Suffolk Street - London, S.E. 1.

The "CULMAK" SHAVING BRUSH Display Box

(No extra Charge).

Brushes cost 47/- P.A.T.A. Realise 70/6

AND THE BRUSHES SELL THEMSELVES.

ON THE CHEMIST'S COUNTER THIS SMART DISPLAY **ATTRACTS** THE CUSTOMER'S **ATTENTION.**

THE NOVEL, UNORTHODOX APPEARANCE OF THE BRUSH **AROUSES** HIS **CURIOSITY.**

THE PRICE AND THE **MAKER'S WARRANTY** ARE ON THE LABEL. **IT'S GUARANTEED ANTHRAX FREE. HE RISKS NOTHING!** HE **BUYS** ONE!

CHEMISTS! CULMAK CASES CAPTURE CUSTOM.

BIDWELLS
HAIR BRUSHES

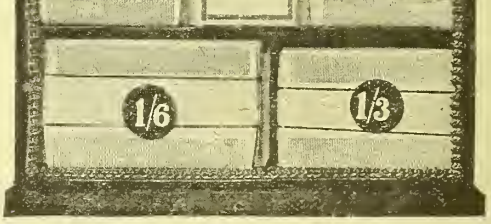
ON SALE or RETURN

Nice Assortment
Good Value
Favourable Terms

Factories: AXMINSTER, DEVON.

Non-Inflammable. *Superfine Cut.*

FREE with 3 doz. Combs



WHOLESALE PRICES:
8/- 10/- 12/- doz.

Glass - Fronted Showcase with 3 dozen Combs.

5 % Discount. Cash with Order. Carriage Paid.

Monthly accounts opened if desired.

Every variety of Combs and Brushware in Stock.

Sole Manufacturers—

H. J. LEE & CO., Osborne Works, Lancaster.

"Vaseline" SPECIALITIES

AS STAPLE AS

"Vaseline"

PETROLEUM JELLY

You have carried "Vaseline" Petroleum Jelly ever since you've been in business. It is as much a part of stock as castor oil or tooth powder.

The **"VASELINE"** Specialities have the confidence of the public because of the Trade Mark name of **"VASELINE"** which they carry. They are reliable as the original **"VASELINE"** petroleum jelly itself.

Stock, recommend, and sell these **"VASELINE"** Specialities, and build up the confidence of your customers.

"VASELINE" CAPSICUM Jelly —for chest colds and congestion.

"VASELINE" CARBOLATED Jelly —for cuts and burns.

"VASELINE" EUCALYPTOL Jelly —for head colds, influenza and gnat bites.

"VASELINE" MENTHOLATED Jelly —for headaches, neuralgia.

"VASELINE" HAIR TONIC

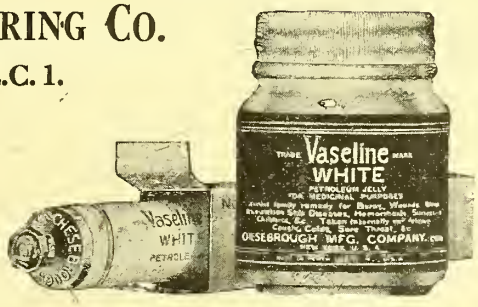
"VASELINE" CAMPHOR ICE

Showcards will be sent on application.

CHESEBROUGH MANUFACTURING CO.

42 HOLBORN VIADUCT, E.C. 1.

For other Specialities see our price list. Post free on application.



QUALITY PREDOMINATES

WITH the help of our advertising you have to sell these products the first time only. The second and each successive sale is assured by the quality of the goods themselves. Never be out of stock of these quick-selling, rapidly moving lines. Recommend them with confidence and remember——*every sale means a pleased and satisfied customer.*

REUDEL BATH SALTRATES AND ALKIA SALTRATES

THE BATH PREPARATION PAR EXCELLENCE, cures Corns and all Foot Troubles permanently, stops Rheumatic or other aches and pains within ten minutes.

Sells at 2/- and 3/3 (P.A.T.A.)

The acme of perfection in Salines. Unrivalled for Liver, Kidney, Stomach, Blood and Intestinal Disorders.

Sells at 3/3 a large bottle (P.A.T.A.)

These products simply will not stay on the shelf.

SOME TRULY REMARKABLE TESTIMONY FROM CHEMISTS

READ THESE LETTERS IN SEQUENCE:

CHARLES ROBERTSON
CHEMIST AND - - - -
PHOTOGRAPHIC DEALER.
115, Market Street, ST. ANDREWS.

Telephones - Shop No 178 House No. 1734. Night Bell.

Saltrates, Ltd., Feb. 9th
214 Great Portland Street,
London, W., 1.

Dear Sirs,

Please send enclosed order carriage paid.

Reudel is very restless. I have difficulty in keeping it on the shelf.

This may interest you:- At the same time I received an order for Reudel by post yesterday, I had a customer at my counter calling for a second packet. A few moments after, another customer called for 2/9 Alkia.

In less than a quarter of an hour I had realised 2/1 profit, from your advertising. Very interesting, that, isn't it? I am always interested in results from advertising, being a keen believer in printers ink.

Yours very truly,

Chas Robertson

A. W. CORNISH, M.P.S.
THE PEOPLE'S CHEMIST
The Oxford Pharmacy 188 Lower Ashley Rd.
BRISTOL

Messrs Saltrates Ltd.,
212/214, Gt Portland St,
London. W.1.

April 24th.

Dear Sirs:- I was reading through reproduction of Mr Robertson's (St Andrews) letter on page twelve of to-day's date Chemist & Druggist and I think this afternoon I surpassed his feat, in my shop as above. Four customers following, purchasing Saltrates preparations, as follows.

2/- Reudel Bath Saltrates	)	All in
3/3 Alkia Saltrates	)	five
2/- Reudel Bath Saltrates	)	minutes
3/3 " " "	)	or so.

Later on in the day I was asked for another 2/- size Reudel, but in this case the customer would not take the 3/3 size, so I missed the sale, having just sold the last small package. I am quite prepared to admit that this is a coincidence that does not often occur, and probably was in part due to other brother Pharmacists being "Sold out". But your preparations are always good sellers with me.

I thought the foregoing would interest you, and it is absolutely authentic, as my Lady Assistant can witness. If the "Tale wants adorning" and I may "point a moral", I would say never load up your shelves with goods that stick there, but to borrow Mr Robertson's "Natty phrase fill up with "restless" goods, which are restless to the point of removal for "Cash Till Food".

With compliments,
Yours faithfully,
A W Cornish

Note.—The above statements were sent to us without solicitation of any kind.

YOU can stock these goods on Guaranteed Sale Terms. Carriage Paid in United Kingdom on orders for 3 dozen and over, which may be assorted. Special Terms for Window and Counter Display.

SALTRATES LIMITED
214 Great Portland Street, LONDON, W. 1.

TO CHEMISTS.

Dangerous Drug and Poisons Act

We have the very latest and most correct Book you want, compiled by an expert Chemist after very much time and thought.

SEND FOR IT AT ONCE! **PRICE 4/- EACH.**

Thomas Waide & Sons

Chemists' Printers, Ltd.,

KIRKSTALL ROAD, LEEDS.

DANGEROUS DRUGS REGULATIONS

Operate from September 1.

You will want an Index of your

(1) **Purchases**
(2) **Dispensing**
(3) **Sales to licensed persons**

and full information.

THE DANGEROUS DRUGS INDEX AND REGISTER

will supply your needs, with a list of the Official Drugs and Preparations, showing precentages and tables, with limitations for various weights and quantities, and suitable space for all entries in one book.

Price **2/6**, post paid.

MR. G. F. WEISS, 180 PHILIP LANE, TOTTENHAM, N. 15.
London Chemists' Costing System;
or, MR. A. MURRAY, 255 Albert Road, Pollokshields, Glasgow.

BLACK AND WHITE BRAND
A Speciality of
TUCKMAR'S World-renowned **RAZORS.**
Obtainable only from—
WM. LUND & SON, 7 WHITTINGTON AVENUE, E.C.3.
JAMES FARQUHARSON & SONS, 59-64 HOUNDSDITCH, E.1
HENRY HOBSON & SONS, 67 HOUNDSDITCH, E.1.
W. H. FAGAN & SON, 71 GT. EASTERN STREET, E.C.2.
Or from the Sole Agent: **ADOLPHE SEGALI A, 12 Alexander St., Bayswater, W.2**

ART OF DISPENSING. (9th Edit.) 8/-, by post 8/9.
VETERINARY COUNTER PRACTICE.
7/6, by post 8/3.
CHEMIST'S DICTIONARY OF MEDICAL TERMS.
3/6, by post 3/10.
The CHEMIST & DRUGGIST, 42 Cannon Street, E.C.4

Pack with Security.
QUEBEC 'WOOD WOOL' COMPANY
Manufacturers of
WOOD WOOL and WOOD WOOL ROPE
WRITE for Samples and Prices of our Three Grades:
COARSE, MEDIUM and FINE.
Egg, Fruit and Special Qualities to order.
WE GUARANTEE Prompt Delivery, Actual Weight, and Dry.
100 TONS always in stock at our Wharf.
Also all sizes of the "DOMINION" WIRE NAIL, IRON WOOD SCREWS and TACKS.
Proprietors—**ERIC MORTON & CO.**
Broad Street House - - - - LONDON, E.C. 2.
Telephones: LONDON WALL 154 & 2989.

REUTER'S

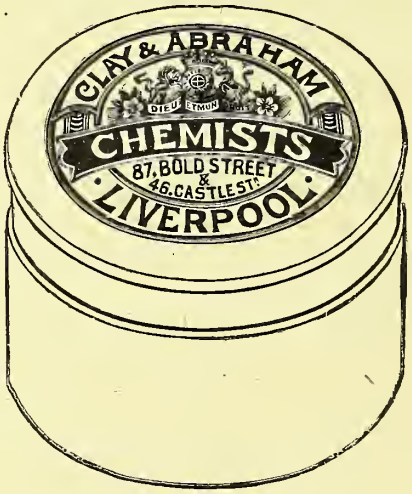
Super Series of

CHINA DISPENSING POTS WITH FLANGED CELLULOID CAPS.

PRINTED WITH CUSTOMER'S OWN NAME.

SQUAT POTS.

Printed in	½ oz.	¾ oz.	1 oz.	1½ oz.	2 oz.	3 oz.	4 oz.	
Black	51/6	60/9	69/-	79/3	89/-	128/3	141/-	grs.
Black & Gold, or Black & Red	54/-	64/-	72/6	84/-	94/6	134/3	147/6	,,
Black, Gold & Red	57/6	66/9	76/-	89/-	99/3	140/-	154/-	,,



Artistic Design submitted for approval.

Minimum quantity 300 Pots.

(not less than 100 of a size)

Acknowledged to be the Best Finished Pots on the Market.

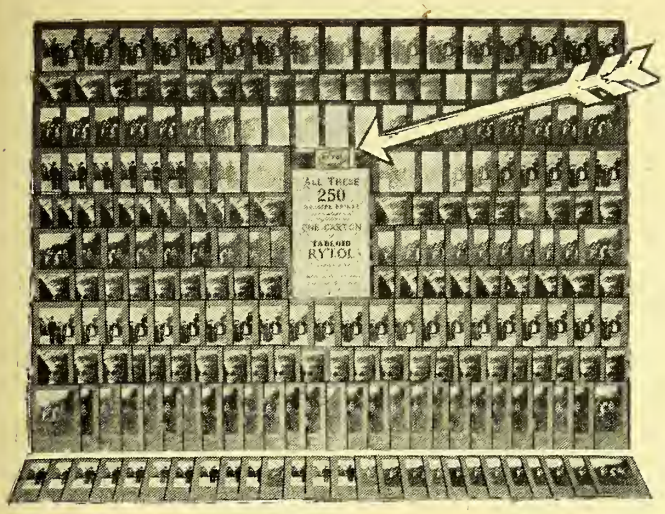
TALL POTS.

Printed in	5 grm.	10 grm.	15 grm.	20 grm.	30 grm.	50 grm.	
Black	27/6	32/6	40/-	47/6	54/-	61/-	grs.
Black & Gold, or Black & Red	29/6	35/-	42/6	50/-	56/6	64/3	,,
Black, Gold & Red	31/-	37/3	45/-	51/9	60/-	67/6	,,

Printed in	60 grm.	75 grm.	100 grm.	125 grm.	150 grm.	200 grm.	250 grm.	
Black	69/3	76/8	99/3	109/3	141/9	166/-	194/-	grs.
Black & Gold, or Black & Red	72/6	81/-	104/-	114/3	146/9	172/6	201/-	,,
Black, Gold & Red	76/9	85/-	109/-	120/-	152/6	179/3	206/-	,,

SPECIAL DISCOUNTS FOR LARGE QUANTITIES.

R. J. REUTER, 69 Carter Lane, London, E.C.4



Tell your photographic customers that with one carton of 'Rytol' at 2/- they can develop 250 Bromide Prints. This means ten prints for less than ONE PENNY

TRADE MARK **'TABLOID'** BRAND

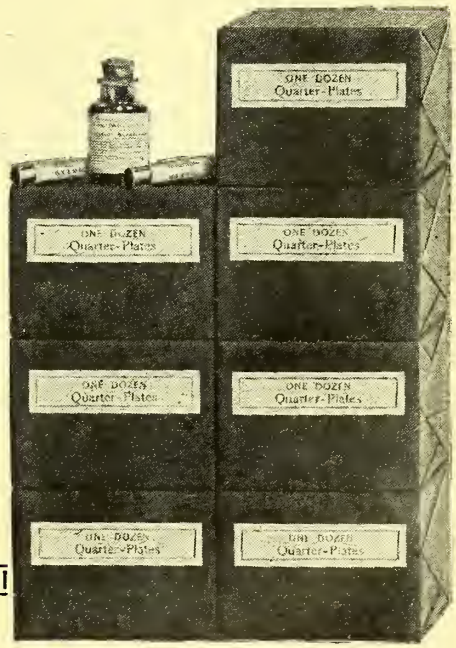
TRADE **'RYTOL'** MARK

UNIVERSAL DEVELOPER

Develops to perfection all plates, films, bromide and gaslight papers and lantern slides.

'Rytol' is easier to sell a second time than any other developer; it never fails to give satisfaction to your customers.

Display it now and secure your share of the summer sales of this popular product



This photograph again illustrates the great concentration and developing power of 'Tabloid' 'Rytol.'

Each carton of 'Rytol' Universal Developer contains more than sufficient to develop

SEVEN DOZEN QUARTER-PLATES.

BURROUGHS WELLCOME & CO.
LONDON

G 987

COPYRIGHT

"After the rise, the fall;
After the boom, the slump;
After the fizz and the big cigar,
A cigarette and the hump."

Yes—but NOW for the Winter Trade.

Send a postcard for
OUR SEASON'S OFFERS.

Arthur H. Cox & Co. Ltd. Manufacturing Chemists Est. 1839 Brighton

The *Lancet* describes it as "Mr. Benger's admirable preparation."

FOOD FOR INFANTS

BENGER'S

GOLD MEDAL AWARDED HEALTH EXHIBITION, LONDON.

Wholesale of all Wholesale Houses and Shippers or from the Manufacturers

BENGER'S FOOD LTD., Otter Works, MANCHESTER, Eng.

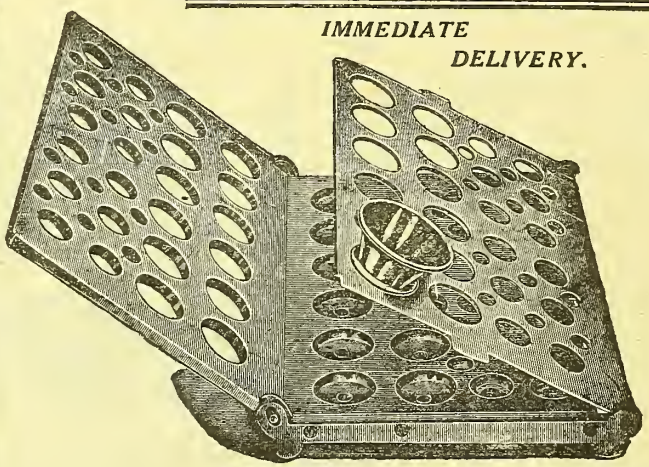
Branch Offices at: 117 Pitt St., Sydney, Australia; 90 Beekman St., New York, U.S.A.
Canadian Agents: The National Drug and Chemical Co. Ltd., Montreal and Branches.
SHOWCARDS AND HANDBILLS ON APPLICATION.

The *British Medical Journal* says: "Benger's Food has by its excellence established a reputation of its own."

INVALIDS AND THE AGED.

CACHET

IMMEDIATE DELIVERY.



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A WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES.

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Dangerous Drugs Act Card

THE Dangerous Drugs Act card, which is on sale at the various offices of THE CHEMIST AND DRUGGIST, can be supplied by post at the following prices for cash with order:

	s.	d.
Per card, post free	1	0
3 cards ,,	2	9
12 ,, ,,	10	0
25 ,, ,,	20	0
50 ,, ,,	35	0
100 ,, carriage paid	60	0

The card, measuring 10 in. by 12½ in. and provided with a cord for hanging up, gives a concise summary of the Regulations under the Dangerous Drugs Act, which come into force on September 1, and in addition a table showing the percentage of cocaine, diamorphine, and morphine in various official and unofficial pharmaceutical preparations. A method is also given for finding out whether prescriptions containing "dangerous" drugs or their preparations require to be treated with the formalities laid down in the Regulations.

English and Welsh News

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Society of Apothecaries of London

At the Assistants' examination, which commenced on July 25, the following candidates were granted the certificate of qualification to act as an assistant to an apothecary in compounding and dispensing medicines:

Ballance, M. J.
Barker, W. A.
Bellamy, A.
Boone, N. M.
Brown, G.
Bustard, K. V. E
Cave, O.
Chadwick, M. B.
Chatham, E. V.
Clent, K. M. C.
Corfe, D. M. M.
Crocker, E.
Davies, B.
Davies, E. D.
Dews, A. N.
Dymond, D. M.
Evans, D. M.
Giblin, M.
Goodman, V. R.
Gustavus, A. M.
Hood, H. M.
Hoopel, A. E.
Hudson, M.
Jenkins, E. E. L.
Jenks, E. G.
Johnston, S. E. M.
Jones, M.
Latch, J. K.
Lay, K. L. W.
Lount, M. M.
Lythgoe, H. G.
Luffman, M. V.
Mayor, M. E.
Moore, H. G.
Nicholas, I. G.
Oliver, S.
Ormerod, L. U.
Ottley, A. H.
Pett, W. E.
Pittard, A. E.
Polley, W.
Prescott, D. E.
Roper, E. G.
Rumsey, M.
Seward, E.
Smith, M. D.
South, M. A.
Southern, L.
Stansfeld, W. M.
Stevens, D. E.
Taylor, M. A.
Thomas, S. L.
Trenoweth, A. B.
Warmington, A. E.
Wetherall, F. M.
Wheat, D. M.
Worthington, N.
Williams, M. I.
Willmott, E. A.
Woodroffe, N.
Yovanovitch, A. Y.

Postal Rates

"The Times" states that the postal rates for letters and postcards are likely to be lowered in the new year. Referring to the delays in the post caused by the non-collection of letters on Sunday, it is stated:

There has been no great outcry in the country against the abolition of the Sunday delivery of correspondence. But there is a very determined and widespread demand for the reintroduction of the Sunday night collection. In a number of trades the post that used to be received on Monday morning was the most important of the week. For medical men, chemists, and hospitals the end of the week has been, hitherto, the time when orders have been posted for the replenishment of medical stores. The old postal arrangements made it possible for such orders to be handled on Monday. Frequently the Monday morning post brought to the manufacturer of drugs and medicaments generally a host of urgent requests for his goods, and the articles required were despatched on the afternoon of the same day. In the present circumstances such orders are only received either on Tuesday morning or so late on Monday that they cannot be attended to on that day at all.

Carbon Monoxide in Coal-gas

The Committee appointed by the Board of Trade to inquire whether it is necessary or desirable to prescribe any limitations of the proportion of carbon monoxide which may be supplied in gas used for domestic purposes has issued its report [Cmd. 1422, 1*d*.] The report begins by reviewing the work of a similar Committee appointed in 1898 (known as the Water Gas Committee), and points out that at the present time, although there is no statutory limit to the proportion of carbon monoxide that may be present in household gas, the Ministry of Health, following the practice of the Local Government Board, when sanctioning loans for municipal undertakings makes it a condition that in ordinary circumstances the total percentage of carbon monoxide in the gas supplied shall not exceed 15 per cent. With the passing of the illuminating standard it is not so necessary to enrich coal-gas; but the practice of adding water-gas, originally employed as a convenient method of enriching with oil-gas, has been continued, as experience has proved it to have economic advantages. Blue water-gas (water-gas which has not been carburetted with oil) contains about 42 per cent. of carbon monoxide, against an average of 7 per cent. contained in coal-gas as manufactured in this country. By comparing statistics of coal-gas poisoning obtained from towns with gas of differing composition, the Committee arrives at the conclusion that the percentage of carbon monoxide affects the death-rate from "coal-gas poisoning," even on the very low scale of fatalities to population now ruling. The

Committee, which consisted of Sir William Pearce, M.P. (chairman), Dr. T. Carnwath, Mr. W. D. Gibb, and Dr. T. Gray, finds, after reviewing the evidence, that "we are justified in recommending non-limitation. We have not ignored the increased risk from the poisonous nature of carbon monoxide, but, when all practicable precautions are adopted, we do not consider that the increased risk will be found a serious one. The danger of increased death-rate is in any case of small dimensions, and against this must be set the certain improvement in the public health by the reduction of smoke and fog arising from increased use of gas. . . . All the witnesses agree that the distinctive odour of coal-gas is a precaution absolutely necessary, and in this we strongly concur; and we suggest that it should be made an offence to supply any gas for domestic purposes which does not possess the distinctive pungent smell of coal-gas."

Radiotherapy in Cancer

The council of the British Association for the Advancement of Radiology and Physiotherapy has issued a statement that includes the following passages :

In view of the publicity that has been given to radiotherapy in the treatment of cancer by the publication of laudatory articles in the medical and lay Press, and the extraordinary claims that have been put forward by the authorities of the West London Hospital, it seems advisable that a considered statement on the use of these agents should be made. The treatment referred to . . . possesses great potential dangers, and may not prove as efficacious as the claims now made would suggest. In the nature of the case, however, no certainty can be arrived at for some years. . . . The claim put forward by the Erlangen school is that by means of their special method it is possible to administer a dose of *x*-rays which will cure cancer in one application. This claim is commented on as follows by a leader-writer in the "Lancet" of July 2, 1921:

"It will be seen that the suggestion in the lay Press that cases of malignant disease should go to the radiologist immediately the diagnosis is made, and before operation, is based on the observation of competent observers. . . ." This we regard as a most ill-advised pronouncement, and we emphatically disagree with the conclusions expressed. . . . We believe that, of any single method, surgery still offers the best prospect of cure in nearly all cases of cancer, and that until much more convincing proof of the efficacy of *x*-rays or other form of radiation is forthcoming it would be extremely dangerous to encourage patients to trust to *x*-ray treatment alone for the cure of these very serious conditions. . . . In our opinion the real contribution to progress on the part of the Erlangen school is that they have employed in suitable quantities *x*-rays of a higher penetration than that hitherto used, and have also carefully systematised already known methods of measuring dosage. . . . It is unnecessary to import the apparatus from Germany; several firms in this country are now making the requisite equipment, so that difficulty of obtaining plant will not be a bar to research.

Contracts

The following Government contracts, among others, have been notified :

ADMIRALTY.—*Mustard.*—Keen, Robinson & Co., Ltd. *Soap.*—McDougall & Yalding, Ltd.; Price's Patent Candle Co., Ltd.

CROWN AGENTS FOR THE COLONIES.—*Drugs.*—Burgoyne, Burbidges & Co., Ltd. *Novarsenobillon.*—May & Baker, Ltd.

HIGH COMMISSIONER FOR INDIA.—*Bottles.*—City Glass Bottle Co., Ltd. *Oil.*—Price's Patent Candle Co., Ltd.

H.M. PRISON COMMISSION.—*Drugs.*—Brook, Parker & Co., Ltd.

POST OFFICE.—*Dry Cells.*—Siemens Bros. & Co., Ltd. *Colza Oil.*—James Arnott & Sons, Ltd.

WAR OFFICE.—*Acids.*—Spencer Chapman & Messel, Ltd. *Bleaching Powder.*—The United Alkali Co., Ltd. *Crucibles.*—The Morgan Crucible Co., Ltd. *Linseed Oil.*—Younghusband, Barnes & Co.

Braintree Guardians have accepted the tender of Mr. H. Jenkins, chemist and druggist, for disinfectants.

Fires

The following outbreaks of fire have been recorded since our last report :

The premises of Thos. Hill Jones, Ltd., charcoal manufacturers, Bow Common Lane, London, E. 3, were recently the scene of an outbreak. The damage was not extensive.

An outbreak, causing damage estimated at 30,000*l.*, occurred, on August 21, at the works of the Grove Chemical Co., Ltd. (branch of British Glue and Chemical Co., Ltd.), Appley Bridge.

A spark from a locomotive recently caused a fire at the premises of Arthur J. Dickinson, Ltd., manufacturing chemists, Deptford, London, S.E. 8. A number of barrels of tar were destroyed.

Poisonings

The following cases of fatal poisoning have been recorded since our last report :

At Hunsingore, Edward Otter, Clock House Farm, died from inadvertently drinking a solution of potassium cyanide used for destroying wasps.

At Stoke Newington, London, N., Eliza Briner, a widow, died from accidentally taking a corrosive poison. A medical witness at the inquest expressed the opinion that poisons such as hydrochloric and carbolic acids are too easily obtained, and that they should be placed in Part I. of the Poisons Schedule.

An inquest was held at Bury St. Edmunds, on August 23, on the body of Mr. Thomas Henry Hall, chemist and druggist (Youngman, Ltd., chemists, 6 The Traverse), who on the previous day had been found dead at his place of business. The evidence showed that a 1-oz. bottle which had contained hydrocyanic acid was lying by his side, and that he had had business difficulties. A verdict of "Suicide while of unsound mind" was returned, and the deputy-coroner expressed his sympathy with the widow and her son.

Birmingham

Birmingham Association of Ratepayers has sent a strong protest to the town clerk against the proposed increase in the price of gas.

Mr. Horace Thomas, son of Mr. Thomas (Bellamy & Wakefield), has taken the B.Sc. degree in engineering with first-class honours. He has also been awarded the Bowen & Scott research scholarships at Birmingham University.

Degree, diploma, and certificate courses in brewing and malting may now be taken at Birmingham University, where a department of brewing and of the bio-chemistry of fermentation has been founded, Mr. A. R. Ling, M.Sc., F.I.C., being in charge. The courses embrace agriculture, chemistry, bacteriology, and water-supply.

Leicester

As the result of the awards in recent window-dressing competitions, Leicester pharmacists have been awarded 227*l.* in prize money. Mr. Marfitt and Mr. Goodess have received many congratulations.

The increasing skill of pharmacy window-dressers throughout the country is fully appreciated locally, but the "veterans" are determined to retain their reputation as leaders in the art. Several entries for the Euthymol competition are on view at present.

Liverpool

Miss Hay, Picton Road, Wavertree, is recuperating at Heaton Mersey.

Mr. and Mrs. A. W. Ashcroft, Aigburth Road, are on holiday at Hoylake.

Mr. J. L. Hirst (secretary of the Liverpool Chemists' Association) has returned after his holiday.

Mr. Edwin Pottage, 104 Picton Road, Wavertree, recently closed his pharmacy during a ten-days' visit to the Isle of Man.

Lawrences, Great Charlotte Street, have divided their window between Hazeline snow and a richly coloured "Eno" display.

With the close of the nine-months' national strike of ships' joiners trade should improve. This, at any rate, is the prevailing expectation.

The *C. & D.* card for the Dangerous Drugs Act observances forms an appreciated addition to dispensing counters and, indeed, in all branches of the trade.

Owing to changes in a number of cotton firms, telegrams dispensing with the services of members of their staffs have been sent to those selected while they were on holiday.

Mr. Robert MacAlley, Upper Tooting, London, S.W., formerly a representative of Parke, Davis & Co., has been spending a few days of his holiday in renewing the acquaintance of former customers in the Liverpool district.

At a recent inquest on the body of a child who died from burns, the South-West Lancashire coroner characterised as "unfeeling" the refusal of the manager of a pharmacy to sell Carron oil to the child's aunt ten minutes before opening-time in the morning. A police officer informed the coroner that the manager denied having refused to supply the oil; but, according to evidence given, the refusal was definite.

Manchester

Mr. Harrison, chemist, Wilbraham Road, Chorlton-cum-Hardy, who was a prize-winner in the recent Eucryl window-dressing competition, has a striking display of Euthymol tooth-paste on view.

The preliminary Census returns of the Registrar-General are of local as well as general interest, in that they show a small but satisfactory increase in the populations of Manchester (2.3 per cent.) and Salford (1.2 per cent.).

Newcastle-on-Tyne

In Newcastle County Court, recently, a claim for compensation was made by a workman who, it was stated, was ruptured in the course of his employment. There was no dispute as to the injury, the question being whether he should have returned to work, as the employers invited him to do, with a truss they had provided. The applicant stated that he was willing to do light work, and that he was not wearing the truss. The judge held that the man was not justified in refusing to return to his work, and made an award in favour of the employers.

At Newcastle Police Court, on August 22, William Walton, packer, Thomas H. Williams, motorman, and Wilhelmina Ewart, packer, were respectively fined 10*l.*, 10*l.*, and 5*l.* for having stolen goods belonging to their employers, Hall Forster & Co., Ltd., wholesale druggists, Peel Buildings, Temple Street. It was stated for the prosecution that goods valued at 11*l.* had been removed from the premises since May 1, and that only 4*l.* 7*s.* 6*d.* worth had been recovered. Evidence was given as to the sale by the prisoners of Glaxo, meat-juice, soap, Cow and Gate food, Virol, castor oil, glycerin, and other goods. Mr. John Hall Forster, managing director of the company, stated that his employees could purchase the goods at wholesale prices if they applied to the office.

Miscellaneous

Poison-licence Application.—Mr. F. J. Hopkins, High Street, Shaftesbury, has applied to the Dorset County Council for a licence under Section 2 of the Poisons and Pharmacy Act, 1908.

Window-smash.—A restive horse backed a cart, on August 19, into the shop-front of Mr. Walter Nall, Ph.C., Dale Street, Milnrow, Rochdale, with disastrous results to the window and its contents.

Wholesale Druggists' Cricket Championship.—At Crouch End, on August 20, The British Drug Houses C.C. defeated Evans A.C. by 98 runs, the scores being 132 for 9 (declared) and 34 respectively. For the winners C. Parker took 3 wickets for 7 runs and G. A. Frith 4 for 14.

Chemical Workers' Wages Dispute.—The conference of the National Federation of General Workers appointed, on August 19, a delegation to discuss the dispute (*C. & D.*, August 20, p. 45) with the employers concerned, expressing the opinion that the deadlock can be satisfactorily ended by further negotiations. A conference of the Joint Industrial Council took place at the Ministry of Labour on August 23 without any definite result.

In the Courts.—In Huntingdon County Court, on August 17, Mr. A. E. Sewell, chemist and druggist, High Street, was granted a committal order against Richard Hopkins, described as a retired naval officer, in respect of a debt of 11*l.* 9*s.* 3*d.*—At Blackpool, on August 19, Fred. Morton, Quarmby, described as a manufacturing chemist, was fined 20*s.* for not having his licence-card visible while driving a motor-car.—At London Sessions, recently, Aubrey Davids, traveller, charged with falsifying certain books and embezzling sums of 4*l.* 17*s.* 7*d.* and 5*l.* 12*s.*, the property of his employer, Henry Revell Harmer (trading as Desti), perfumery manufacturer, Albemarle Street, W., was bound over to come up for judgment if called upon.—At Marylebone Police Court, on August 24, George Beale, a salesman lately employed by Boots, Ltd., charged on remand with stealing articles valued at 10*l.* 1*s.* 8*d.* (*C. & D.*, August 20, p. 47), was sentenced to six months' imprisonment in the second division. Beale's explanation of the affair was that he had been taking cocaine and was not responsible for his actions.

Irish News

Brevities

Mr. Robert Armstrong, Ph.C., who has been in business in Cootehill for the past thirty-five years, is retiring and is disposing of his pharmacy.

The meeting of the registered druggists and chemists and druggists in Ireland, which was to be held in Belfast on August 31, has been postponed.

Mr. W. E. Wilson, secretary of the Chemists' and Druggists' Society of Ireland, acting on medical advice, has gone to Bournemouth for a rest.

The Local Government Board for Ireland has remitted a surcharge of 34*l.* made on Mr. R. F. McCartney, M.P.S.I., and two other members of the Coleraine Urban Council, in connection with the peace celebrations.

Scottish News

Bowling Competitions

Play for the Ayrton Cup of the Scottish Chemists' Bowling Association will commence at 1.30 P.M. (*C. & D.*, August 6, p. 41). The draw and name of the green will be sent to skips not later than September 3. Intending competitors should forward their names to the secretary, Mr. J. A. Cochrane, 279 Easter Road, Leith, not later than August 31.

Only eleven players turned up for the bowling competition of the Glasgow Pharmacy Club on Jordanhill Green on August 16, so a pairs competition was played, with the following results:

Skip			Skip	Shots up
Gray ...	... 29	*v.*	Murdoch	... 6 = 23
Moffat ...	... 20	*v.*	McDonald	... 9 = 11
Chisholm	... 20	*v.*	Logan ...	... 10 = 10

The prizes (autostrop razors), which were the gift of Mr. C. Finlayson, were won by Messrs. Gray, McKenzie, Moffat, and Dawson.

Brevities

Edinburgh police are warning traders concerning a well-dressed young man, carrying a registered envelope, who asks for two notes in exchange for silver. He then discovers that he is a few shillings short, and goes to the door, taking the notes, to get the balance from a friend, leaving the envelope behind—empty.

In the Court of Session, Glasgow, on August 17, Campbell & Co., soap manufacturers, Gallowgate, sued Ferguson, Shaw & Sons, soap manufacturers, Port Dundas, for 362*l.* for alleged breach of contract. The pursuers stated that a drum of caustic potash supplied by the defenders contained impurities rendering it unfit for the purpose for which it was bought and sold. His lordship was of the opinion that the amount of damages claimed was excessive, and considered an award of 50*l.* would be sufficient, the defenders being entitled to expenses.

Belgian News

Co-operative Buying in Brussels.—The house-warming of the Electa on the occasion of its removal to the Rue des Boiteux in Brussels on July 24 was celebrated by a banquet, which was attended by pharmacists, professors of the University, inspectors of pharmacies, and other guests. The Electa was founded in 1897 by twelve pharmacists, with a capital of 60 fr., as a co-operative buying association, and in the first year of its existence the total purchases amounted to 835 fr.

Among the questions discussed at the first International Congress of Military Medicine and Pharmacy, held in Brussels recently, were: (1) The general organisation of army sanitary service, and its relations with the Red Cross; (2) clinical and therapeutical study of the war gases of the Central Empires; (3) anti-tuberculosis and anti-venereal work in the army; (4) fractured limbs; (5) the purifying of drinking-water in the field. Resolutions were passed in favour of admitting members of the sanitary service to staff consultations (in matters involving the health of troops) on the same footing as combatant officers, and of attaching technicians, "doctors, surgeons, hygienists, and chemists qualified by their scientific authority," to the responsible representatives of the sanitary service in war-time; it was also resolved that in the constitution of organisations for the study of chemical questions which are imposed on all armies the special competence acquired by military pharmacists should be duly taken into consideration. The Congress concluded its proceedings by voting the organisation of a permanent committee of nine members, respectively representing Belgium, Brazil, France, Great Britain, Italy, Spain, Switzerland, and the United States, to settle details of the next Congress.

Reparation Chemicals in Belgium.—The Nationale Pharmaceutique, the officially recognised association of Belgian pharmacists for the protection of the interests of the profession, was entrusted by the Government with the task of distributing the share of pharmaceutical chemicals allotted to Belgium by the Reparation Commission. However, it is only now that the chemicals, for which the pharmacists were requested to place orders so far back as October of last year, are available for distribution, and may be obtained either from the Nationale Pharmaceutique or through a wholesale drug-house. The Government has fixed the prices to be charged to the purchasers for these chemicals, of which there is a wide range, the more important only are given in the following list. The prices are quoted in Belgian francs for one kilogram.

Acetylsalicylic Acid	17.00	Hexamethylene-tetramine (tablets)	43.00
Lactic Acid	13.50	Ichthyol	45.00
Salicylic Acid ...	9.00	Iodoform	125.00
Acetanilid	8.00	Sodium lactate ...	25.00
Antipyrin	58.00	Luminal	590.00
Silver Proteinate ...	68.00	Methyl salicylate ...	16.00
Bismuth subgallate	68.00	Sodium salicylate ...	13.50
Sodium benzoate ...	10.50	Novocain	720.00
Benzonaphthol ...	54.00	Orthoform	1,000.00
Camphor monobromate	122.00	Paraldehyde ...	7.00
Chloral hydrate ...	20.00	Phenacetin	40.00
Creosotal	105.00	Phenolphthalein ...	27.00
Dionin	3,000.00	Protargol	200.00
Duotal	100.00	Pyramidon	175.00
Eucaine hydrochloride	540.00	Bismuth salicylate...	63.00
Calcium glycerophosphate	42.00	Resorcin	40.00
Sodium glycerophosphate 50% ...	21.00	Salol	20.00
Sodium glycerophosphate 75% ...	35.00	Sulphonal	122.00
Potassium sulphoguaiacolate ...	54.00	Theobromine ...	122.00
Guaiacol carbonate	108.00	Trional	125.00
Heroin hydrochloride	5,000.00	Apomorphine hydrochl.	4,100.00
		Chloroform	10.00
		Cocaine hydrochlor.	1,170.00
		Codeine phosphate	1,000.00
		Digitoxin (1 gram = 60.00)	

It is interesting to note the difference in prices between the trade-marked products and those supplied under their chemical designations.

Colonial and Foreign News

New Salicylic-acid Factory.—At Langkampfen, in Tirol, the new salicylic-acid factory erected by Suchy & Co. was opened last month, in the presence of representatives of the Government and other guests.

Memorial Tablet to Serturner.—Over the entrance of the house in the market-place of Paderborn in which the Cramer Court Pharmacy was situated, a tablet has been affixed recording the fact that F. W. Adam Sertürner discovered morphine there in 1803. Sertürner was an assistant in the pharmacy at the time when he succeeded in isolating morphine.

To Prevent Overcrowding.—In order to prevent overcrowding of the pharmaceutical profession in Hungary, it has been decided to restrict the number of entrants to one hundred annually. Application to enter a pharmacy as apprentice must be made to the Hungarian Pharmaceutical Society, and permission to have an apprentice must first be obtained from the Government.

Verboten!—The Prussian Government has issued a decree designed to protect certain wild animals and wild plants, the latter including: All varieties of lycopodium; *Taxus baccata*, Linn.; *Stipa pennata*, Linn.; *Lilium Martagon*, Linn.; *Cypripedium Calceolus*, Linn.; *Epipactis rubiginosa*, Gaud.; *Daphne mezereum*, Linn.; *Trapa natans*, Linn.; *Eryngium maritimum*, Linn.; *Chimaphila umbellata*, Nutt.; all varieties of gentian bearing blue flowers; *Linnæa borealis*, Linn. It is forbidden to dig up any of these plants, to pluck or to cut their flowers, leaves or branches, or to offer them for sale.

Pharmacy in Esthonia.—The progressive attitude adopted by Esthonian pharmacists (*C. & D.*, July 16, p. 55) has again been manifested by the formation of the new Esthonian Pharmaceutical Society, of which M. J. Lill, Dorpat, has been elected the first President. One of its objects is to secure the appointment of representatives on the Board of Health, so that purely professional matters may be dealt with by a commission of pharmacists. The Society has decided to issue its own journal, and the first number of the first Esthonian pharmaceutical journal, which bears the title "Pharmacia" and is edited by M. R. Wallner (who studied pharmacy under Professor Bourquelot in Paris, and in 1919 paid a visit to London to study British pharmaceutical conditions), is a publication of which our Esthonian *confrères* may be justly proud. To overcome the difficulty which the language presents in facilitating scientific intercourse it has been decided to publish articles of general interest in other languages than Esthonian, and the editor invites British writers to favour him with articles bearing on pharmaceutical subjects. This number, which runs to eighty pages, of which twenty-three are devoted to advertisements, contains, *inter alia*, an interesting illustrated article dealing with the Pharmaceutical Institute of the University of Dorpat, contributed by its director, Magister of Pharmacy Professor J. Stamm. It also includes a statistical list indicating the total number of prescriptions made up in each pharmacy during the past year, and from this we find that of the ten pharmacies in the town of Reval, the capital, that of the Vice-President of the Society, M. G. Gnadeberg (Detloffi apteek) heads the list for the country with a total of 90,417 prescriptions, closely followed by M. A. Rosenberg (Linna apteek) with 86,738. It is interesting to note that the ten pharmacies altogether made up a total of 313,569 prescriptions for a population of 170,000 souls. Among the advertisements figure several well-known French specialities, but no British preparations, and in view of the possibilities which Esthonia, not only as a developing country but as a portal to Russia, offers, its importance as a market should not be overlooked.

It is announced in "The Labour Gazette" for August that ninety-nine Orders have been made by the Home Secretary under Section 2 of the Employment of Women, Young Persons and Children Act, which governs the employment of such workers on what is known as the two-day shift system.

Legal Reports

Minimum-wages Case.—At Old Street Police Court, London, on August 18, Nirenberg & Rabinvitch, cardboard-box manufacturers, 170 St. John's Road, N. 1, were summoned for failing to pay fourteen female employees the minimum rate of wages fixed by the Paper Box Trade Board. The question in dispute was whether the employees, who were piece-workers, were paid the equivalent of 9¾*d.* an hour, the minimum wage under day-work conditions. The magistrate, after hearing several witnesses, said that he was not satisfied that the rate of wages paid by the defendants did not yield more than the minimum set up by the Act. He therefore dismissed the summonses.

Medicine Stamp Act Case.—At Mansion House Police Court, London, on August 19, Hammond Jeffery & Co., Ltd., chemical merchants, 8 Harp Lane, E.C. 3, were summoned for selling a tube of bromural tablets without the stamp required by the Act. Mr. Gibson, prosecuting on behalf of the Commissioners of Customs and Excise, stated that on April 6 a representative of Allen & Hanburys, Ltd., called at the defendants' premises with an order for a tube of the tablets. He was given a packet unstamped, and was charged 2*s.* 5*d.* By this transaction the revenue was defrauded of 1*s.* duty. This was a preparation of German production. The loss of duty in connection with it might be large, but, as the Customs official was refused access to the company's books, it could not be ascertained what the loss was. As a concession, this preparation might be sold unstamped to another chemist for dispensing-purposes provided a dispensing label was attached; but in the instance complained of there was neither stamp nor dispensing label. Mr. Ernest Charles Griffiths (Allen & Hanburys, Ltd.) gave evidence of purchase. In answer to Mr. Hammond Jeffery, managing director of the defendant company, witness said the tablets were principally sold to chemists, but they were known to the public. Mr. Jeffery said he did not say to the Customs officer that he had the patent rights; he had the trade-mark rights. The whole thing was a careless mistake. A previous conviction in connection with the same article having been proved, the alderman inflicted a penalty of 10*l.*, with 5*l.* 5*s.* costs.

Parental Liability.—In Taunton County Court, on August 16, Mr. William Henry Maunder, Ph.C., 47 North Street, claimed from William Morris, marine-store dealer, the sum of 2*l.* 15*s.*, the price of a surgical appliance supplied to the defendant's daughter, who was under age. Mr. F. W. Wilmott, who appeared for the plaintiff, said that the child was a patient in the Taunton and Somerset Hospital, where she was operated upon for a spinal complaint. After the operation, which was satisfactory, the hospital authorities, as they frequently did, telephoned to Mr. Maunder to know whether he would supply a surgical appliance. Measurements were taken by Mr. Maunder, and the jacket was sent. Mr. Maunder had frequently supplied appliances to the hospital, and in other cases concerning children the parents had paid. Mr. Maunder gave evidence to the effect that he was asked by the house surgeon to take measurements for supplying a spinal jacket for the girl. The defendant, in the witness-box, said that when the girl went to the hospital his wife told him that the doctors wanted to perform an operation, and he told her that she was the mother, and should use her own judgment as to giving consent. His wife afterwards told him that the girl was going to have a jacket to wear, but he did not give Mr. Maunder an order to supply it. His Honour: Why don't you pay for it? Defendant: I can't; I don't see why I should. His Honour: You must have very curious views of a father's duty. In giving judgment, his honour said that he did not think there was any legal obligation on a father to pay for such things simply because they might be necessary for his daughter's health, and merely because the daughter was an infant when the goods were supplied to her. The question of necessaries would be important if it was the daughter who was sued, but he did not think it applied in the case of a parent sued for goods supplied to a child without his knowledge. On the other hand, he thought it was quite clear that the parents would be liable if they authorised the goods to be supplied to the daughter, and in this case, the father having left it to the mother to do what was necessary for the child, and the sister at the hospital having told the mother that this jacket was required, he (his honour) had come to the conclusion that there must be judgment for the plaintiff, with costs.

Bankruptcy Reports

Re Frank Thornton Jowett, manufacturing chemists' salesman, 14 Cannon Place, Brighton, Sussex, formerly trading as the City and Midland Manufacturing Co., and lately carrying on business at 31A and 33 Broad Street House, London. The following are creditors herein: Massey & Wimbury (London), 823*l.*; Haywood & Sons (Ashford), 59*l.*; Sankey & Co. (London), 10*l.*; W. H. Guthrie (London), 40*l.*

Re Abraham Angel and Max Spiro, trading together as Angel & Spiro at 35 High Street, Aldgate, London, E. The first meeting of creditors under this failure was held at the London Bankruptcy Court on August 19, when Mr. Park, Official Receiver, presided. The Official Receiver reported that the debtors had traded together principally as silk and cloth merchants. The business showed a surplus up to the early part of 1919, when prices dropped considerably, and for six months they lost money. They attributed their present position to depreciation in the value of stock; to the failure of a number of their customers; and to losses on speculations. About the middle of 1919 they were approached by a doctor in Switzerland, who wanted them to join him in the manufacture of toilet preparations, which, he assured them, would be a success. A limited company was formed, called the Angelic Chemical Co., Ltd., with premises at 42 Waterloo Street, Hammersmith. The nominal capital of the company was 5,000*l.*, made up of 1*l.* shares, none of which were issued. Messrs. Angel & Spiro advanced 8,000*l.*, with which was purchased plant, etc., for 3,000*l.*, and the balance was put into the company for manufacturing. After twelve months the business proved a failure, and part of the stock and plant was sold for 3,000*l.*, 1,500*l.* of which was paid to creditors of the company, and 1,500*l.* put into the business of Angel & Spiro. At the end of 1920 the company went into voluntary liquidation, and the liquidator was realising the remaining assets. The liabilities of Messrs. Angel & Spiro were estimated at, roughly, 70,000*l.*, and assets 12,785*l.* Eventually it was decided to appoint two chartered accountants as joint trustees of the estate, their bond being fixed at 10,000*l.* A committee of inspection was also appointed.

Gazette

Bankruptcy Acts

Receiving Order and Adjudication

Fulford, A., 52 Wadborough Road and 71 Bowdon Street, Sheffield, wholesale druggist, under the style of A. Fulford & Co.

Partnership Dissolved

Jukes, N. S., and Richardson, R. A., 15A Granby Row, Manchester, manufacturing chemists, under the style of the Cyclone Manufacturing Co.

Safeguarding of Industries Act.—The Chemical and Dyestuffs Traders' Association, in a circular issued to members, state that the schedule of chemicals covered by the Safeguarding of Industries Act is in the printer's hands and should be on sale within a week or a fortnight. The Association has been informed by the Board of Trade that on October 1 all articles included in Part I. of the Act will be liable to duty if they arrive on or after that date. This ruling applies to all goods on order prior to October 1.

New Companies
and Company News

P.C. means Private Company and R.O. Registered Office

RELIABLE CLEANER (PARENT) CO., LTD. (P.C.).—Capital, 5,000*l.* Objects: To adopt an agreement between A. MacLennan and Count Fernandez, and to carry on the business of manufacturers, distributors, and vendors of the "Reliable Cleaner," made under an invention for which provisional protection has been granted to the said A. MacLennan. R.O.: 23 Clarges Street, Mayfair, London, W.

ROWAND & CO., LTD. (P.C.).—Capital, 500*l.* Objects: To carry on the business of chemists, druggists, drysalters, oil and colour men, manufacturers of and dealers in proprietary articles and electrical, chemical, photographical, surgical, and scientific apparatus and materials, etc. The first directors are: E. M. Murphy, 71 Upper Parliament Street, Liverpool; T. E. Hughes, 22 Elmdale Road, Fazakerley, Liverpool. R.O.: 1 Crosshall Street, Liverpool.

CERAMIC AND GLASS DECORATING CO., LTD. (P.C.).—Capital, 1,500*l.* Objects: To carry on the business of ceramic art and glass decorators, table glass, medical, chemical, and scientific glassware manufacturers, photographers, colour printers, vitrified label manufacturers, etchers, enamellers, sand-blasters, etc. The first directors are: W. R. Coultart, Escort Lodge, Sydenham, S.E. 26, and W. J. Moore, 12 Vermont Road, Norwood, S.E. 26, R.O.: 227A City Road, London, E.C. 1.

D. T. EVANS, LTD. (P.C.).—Capital, 25,000*l.* Objects: To take over the business of a wholesale and retail dispensing and analytical chemist and druggist, optician, and photographer carried on by D. T. Evans at various addresses in Margate, Cliftonville, Westgate-on-Sea, Ramsgate, Broadstairs, and Birchington as "D. T. Evans, dispensing chemists." The first directors are: D. T. Evans (sole permanent governing director and chairman), Mrs. D. C. Evans, R. Clacket, and A. E. Button.

NAZONE, LTD. (P.C.).—Capital, 500*l.* Objects: To take over the business of a manufacturer and retailer of "Nazone" preparations carried on by R. H. Speight at 2 Central Beach, Blackpool, as the "Nazone Medicine Co.," together with the recipes and information as to manufacture and the sole right to manufacture and sell the preparations known as "Nazone Antiseptic," "Nazone Pastilles," and "Nazone Snuff." The first directors are: R. H. Speight, 2 Central Beach, Blackpool (governing director); G. G. Speight, Lamorna, Sherbourne Crescent, Deepdale, Preston. R.O.: 2 Central Beach, Blackpool.

GERARD BROTHERS, LTD., soap manufacturers, Nottingham, have declared and paid a dividend of 12½ per cent. on their ordinary shares for the year ended June 30 last.

THE BLACKAMOOR CHEMICALS AND COLOURS, LTD., 40-44 Holborn Viaduct, London, E.C.—The accounts filed under this liquidation show liabilities 7,052*l.* and assets 33*l.* Among the creditors are the following: British Alaganit Co., London, 43*l.*; Brotherton & Co., Ltd., Leeds, 214*l.*; British Dyes, Huddersfield, 116*l.*; Doulton & Co., Ltd., London, 50*l.*; National Glass Co., Ltd., London, 339*l.*; Scottish Dyes, Carlisle, 445*l.*; The Anchor Chemical Cos., Clayton, 168*l.*

W. J. BUSH & CO., LTD.—The annual meeting was held in London on August 18, Mr. J. M. Bush in the chair. In his address to the shareholders the chairman referred to the position of the fine-chemical industry in this country. He said the company has done its utmost to help to build up the fine-chemical industry in this country, the war having shown how necessary it is to have such an industry in the interests of national defence. At the present time, owing to low labour costs in Germany and the low cost of raw materials produced within that country, this country is unable to compete with German manufacturers in many chemicals where these advantages play an important part. Consequently, a large portion of the company's plant has been idle for some months, and many men who were trained at great trouble and expense have been put out of employment or on short time. The introduction of the Safeguarding of Industries Bill shows that the Government is alive to the situation, and is making an endeavour to save this infant industry during the present abnormal conditions; but all manufacturing chemists realise the temporary nature of the expedient, and that the survival of the industry in the long run depends upon efficiency. The inability to compete has been found to be due to the causes I have mentioned, and not to lack of efficiency or skill on the part of our chemists. Referring to the difficulties of the essence industry, the Government has now removed one handicap by allowing certain ethyl compounds to be manufactured from duty-free spirit. In this respect, therefore, English manufacturers are now on terms of equality with their foreign competitors. There are, however, other burdens which the industry has to bear which we hope the Government will alleviate before it is too late. The adoption of the report (*C. & D.*, August 13, p. 44) was seconded by Sir George Hayter Chubb, Bt., and carried, and Dr. Percy C. C. Isherwood seconded the motion authorising the payment of dividend. Dr. R. C. Farmer, Ph.D., F.I.C., was re-elected a director.

WALTER EVERITT, LTD., Norwood Wharf, Southall, Middlesex.—A winding-up order in this matter was recently made. The statement of affairs submitted by two of the directors show liabilities 1,681*l.* 17*s.*, while the total assets amount to 10,634*l.* 0*s.* 1*d.* After deducting 9,783*l.* 11*s.* 2*d.* in respect of loans on debentures and 308*l.* 10*s.* for preferential claims the net assets amount to 541*l.* 18*s.* 11*d.*, thus leaving a deficiency as regards the unsecured creditors of 1,139*l.* 18*s.* 1*d.* The assets comprise: Stock-in-trade at cost, 832*l.* 12*s.*, estimated to realise 300*l.*; machinery, 4,000*l.*; trade fixtures, etc., 100*l.*; leasehold land and buildings at Southall, 6,000*l.*; good book debts, 234*l.* 0*s.* 1*d.*; and a bad debt, 2*l.* 6*s.*, not expected to produce anything. The issued share capital of the company amounts to 9,000*l.*, so that the total deficiency is 10,139*l.* 18*s.* 1*d.* The present position is attributed to the fall in prices of materials owing to foreign importations. It appears that the company was registered on September 23, 1919, as a private company, being formed for the purpose of acquiring as a going concern the business of an analyst and manufacturing chemist, formerly carried on by W. Everitt & Co., Ltd., then in liquidation. The company is stated to have been promoted by Mr. Walter Everitt, Mr. Arthur Cunningham, and Mr. James K. Bisgood, who arranged for the purchase of the assets of W. Everitt & Co., Ltd., from the liquidator of that company for 6,487*l.* in cash, Mr. Walter Everitt at the same time undertaking to waive a claim against the company in liquidation for damages. On October 21, 1919, the assets were resold to the company for 15,000*l.*, with the exception of the stock, which was separately valued at about 500*l.* The purchase money was satisfied by the issue of 9,000 fully paid 1*l.* shares and 6,500*l.* debentures. The nominal capital of the company is 10,000*l.* divided into 1*l.* shares, of which 9,000 have been issued as fully paid. In addition to the 6,500*l.* debentures issued in part payment of the purchase money, the following further issues appear to have been made in respect of cash advanced: October 21, 1919, 1,200*l.*; December 20, 1919, 200*l.*; January 20, 1920, 100*l.*; and May 11, 1920, 2,000*l.* No directors' fees appear to have been paid. The usual books of account have been kept, but the trading books are in the possession of the receiver for the debenture-holders. The following are among the creditors: British Cellulose and Chemical Manufacturing Co., Ltd., London, 37*l.*; Middlesex Chemical and Machinery Co., London, 60*l.*; Albright & Wilson, Ltd., Birmingham, 10*l.*; Brunner, Mond & Co., Ltd., Northwich, 163*l.*

UNEMPLOYMENT STATISTICS.—In the four weeks ended July 29, the figures of the employment exchanges show a decrease of more than 386,000 in the number of unemployed, the total for the latter date being 1,780,835. This total is exclusive of short-time workers, who on July 22 numbered 607,000.

Insurance Act Dispensing

A Record of matters concerning Chemists' interests in the National Health Insurance Acts

Reports from Local Centres

Wolverhampton.—The Insurance Committee have issued the following statistics for the quarter ended March 31, 1921 : Number of prescriptions, 22,079; number of persons on doctors' lists, 33,633; average cost of ingredients, 5.03*d.*; average dispensing-fee, 4.90*d.*

Drug Accounts Committee.—The Central Checking Bureau of the National Health Insurance (Drug Accounts Committee) (Scotland) has issued a statement showing, for the first half of the years 1915 to 1921, the following statistics :

	Burghs					Counties				
Year	No. of Forms	Value £	s.	d.	Av. price per Form d.	No. of Forms	Value £	s.	d.	Av. price per Form d.
1915	825,366	32,473	7	1	9.44	428,201	17,735	10	2½	9.94
1916	678,223	28,805	9	9½	10.19	362,061	16,405	8	0	10·87
1917	652,804	25,459	13	5½	9.36	341,577	14,093	15	4	9.90
1918	608,282	27,794	7	8½	10.96	323,659	16,154	1	1	11.94
1919	680,873	33,630	18	5½	11.87	350,860	20,852	1	11	12.80
1920	720,322	49,074	6	0	16.35	406,605	29,285	11	11½	17.28
1921	684,955	39,779	10	3	13.95	330,591	23,737	8	11½	14.58

August Drug Tariff

The following are the alterations for August in the Insurance Drug Tariff for England and Wales :

Lower.—Acetanilidum, 3*d.* oz.; acid. tannic., 7*s.* 3*d.* lb.; æther, B.P., 0.720, 3*s.* 4*d.* lb.; anthem. flor. exot., 2*s.* 4*d.* lb.; bals. Peruv., 1*s.* 4*d.* oz.; camphora (flowers), 5*s.* 10*d.* lb.; cocain. hydrochlor., 3*s.* 2*d.* dr.; codeina, 4*s.* 6*d.* dr.; codein. phosph., 4*s.* 2*d.* dr.; collod. flexile meth., 4*s.* 9*d.* lb.; collod. meth., 4*s.* lb.; copaiba, B.P., 4*s.* 6*d.* lb.; dec. cinchon. rub. (ex conc.), 4*s.* 9*d.* lb.; ext. casc. sagr. liq., 3*s.* lb.; ext. ergot. liq., 12*s.* 4*d.* lb.; ext. glycyrrh. liq., 4*s.* 3*d.* lb.; ext. malti, 1*s.* 3*d.* lb.; ext. malt. c. ol. morrh., B.P.C., 1*s.* 5*d.* lb.; ferri et ammon. cit., 4*s.* 9*d.* lb.; ferri et quin. cit., 1*s.* 5*d.* oz.; guaiacol carbonas, 2*s.* oz.; hexamina, 9½*d.* oz.; inf. calumb (ex conc.), 2*s.* lb.; inf. caryoph. (ex conc.), 2*s.* 10*d.* lb.; inf. senegæ (ex conc.), 4*s.* 6*d.* lb.; lin. camph., 3*s.* lb.; methyl salicylas, 4*s.* 9*d.* lb.; morph. hydrochl., 17*s.* 3*d.* oz.; ol. eucalypt., 4*s.* 3*d.* lb.; ol. morrhuæ (Norwegian opt.), 9*s.* gal.; paraff. liq., 1*s.* 11*d.* lb.; phenacetin., 11½*d.* oz.; phenazon., 1*s.* 2*d.* oz.; phenolphthalein, 8½*d.* oz.; physostig. sulph., 8*d.* gr.; potassa sulphurata, 2*s.* 10*d.* lb.; pot. acet. (dry granules), 4*s.* lb.; pot. bicarb., 1*s.* 5*d.* lb.; pot. brom., 1*s.* 9*d.* lb.; pot. cit., 5*s.* lb.; pot. permang., 2*s.* 6*d.* lb.; pulv. ipecac. co., 6*s.* 8*d.* lb.; quin. salicyl., 8*s.* oz.; salicin., 2*s.* 8*d.* oz.; scammon. res., 10*s.* 6*d.* lb.; sodii brom., 1*s.* 11*d.* lb.; sodii citras, 4*s.* 3*d.* lb.; sodii et pot. tart., 1*s.* 7*d.* lb.; spt. æther. nitrosi, 6*s.* 3*d.* lb.; spt. ammon. aromat., 4*s.* 9*d.* lb.; spt. chlorof., 6*s.* lb.; spt. vini meth., 9*s.* 3*d.* gal.; strych. hydrochlor., 11*s.* 6*d.* oz.; sulphonal, 2*s.* 8*d.* oz.; sulphur præcip., 1*s.* 7*d.* lb.; syr. ferri phosph. co., B.P.C., 1*s.* 5*d.* lb.; syr. ferri phosph. c. quin. et strych., 2*s.* 6*d.* lb.; syr. glycerophosph. co., B.P.C., 2*s.* 10*d.* lb.; syr. hypophosph. co., B.P.C., 1*s.* 11*d.* lb.; syr. ipecac., B.P.C., 2*s.* 6*d.* lb.; syr. rhei, 1*s.* 10*d.* lb.; syr. scillæ, 1*s.* 5*d.* lb.; syr. tolut., 1*s.* 5*d.* lb.; tr. camph. co., 3*s.* 10*d.* lb.; tr. cardam. co., 3*s.* 6*d.* lb.; tr. opii, 5*s.* lb.; tr. rhei co., 3*s.* 8*d.* lb.; tr. zingib. fort., '85, 7*s.* 8*d.* lb.; ung. acid. boric., B.P., 1*s.* 10*d.* lb.; ung. ac. boric. flav., 1*s.* 6*d.* lb.; ung. ac. carbol., 2*s.* 4*d.* lb.; ung. gallæ, 3*s.* 2*d.* lb.; ung. glyc. plumbi subacet., 3*s.* 4*d.* lb.; ung. hyd. ammon., 2*s.* 8*d.* lb.; ung. resorcin., B.P.C., 6*s.* 2*d.* lb.; ung. sulphuris, 1*s.* 10*d.* lb.; ung. zinci, 1*s.* 10*d.* lb.; vinum ipecac., 4*s.* 3*d.* lb. Bandages: grey, open-wove, 1 in. by 3 yds., 6*d.*; 2 in. by 4 yds., 1.4*d.*; 2½ in. by 4 yds., 1.8*d.*; 3 in. by 4 yds., 2.1*d.*; 4 in. by 4 yds., 2.8*d.* each; white, open-wove, 1 in. by 3 yds., .6*d.*; 2 in. by 3 yds., 1.6*d.*; 2½ in. by 4 yds., 1.9*d.*; 3 in. by 4 yds., 2.3*d.* each; crêpe, 2 in., 16.0*d.*; 2½ in., 20.0*d.*; 3½ in., 26.5*d.* each; indiarubber (elastic web), 2½ in., 10.0*d.*; 3 in., 12.5*d.* per yd. Lints: unmedicated, 1 lb., 36.0*d.*; boric, 1 lb., 26.0*d.* Cotton wools: boric, 1 oz., 1.8*d.*; 1 lb., 21.0*d.*; sal-alembroth, 1 oz., 2.0*d.*; 1 lb., 24.0*d.* Tow: unmedicated, 7.0*d.*; carbolised, 12.0*d.* per lb.

Higher.—Bism. subgal., 1*s.* 6*d.* oz.; ol. caryoph., 12*s.* 4*d.* lb.; ol. menth. pip. (redistilled), 31*s.* 6*d.* lb.

THE Halifax chamber of trade is making arrangements for a shopping week, to commence on Tuesday, October 18, and to conclude on the following Monday.

Chemists' Windows.

Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.

"Drummer Dyes" Display.

THE illustration shows the window which obtained the first prize of 100*l.* in the "Drummer Dye" Window-dressing Competition. As mentioned last week, this prize was awarded to Mr. G. E. Marfitt, of Leicester, whose display was judged to be the best out of over 11,000 entered

for the contest. Mr. Marfitt is well known to readers of the *C. & D.* His display emphasised the economy of "Drummer Dyes" by means of five dolls, one dressed in white, the others in "Drummer Colours," to demonstrate that one frock "Drummer" dyed will meet the colour demands of all the seasons and thereby save considerably on household dress bills. The "Drummer" colours were shown by means of ribbons radiating from "Drummer" packets, and clever rhymes contained other strong selling points.

BRITISH INDUSTRIES FAIR, 1922.—Application-forms have been issued, by the Department of Overseas Trade, to sellers desirous of taking space at the next British Industries Fair, which, as at present arranged, is to be held at the White City, London, W., from February 27 to March 12, 1922.

INTERNATIONAL EXHIBITION IN BRAZIL.—In connection with the celebration of the centenary of the independence of Brazil in the autumn of 1922, two exhibitions, the Brazilian National and an International, are to be held in Rio de Janeiro. As the celebrations will be largely attended by the peoples of all the South American States, the latter exhibition, in the opinion of the British chamber of commerce in Brazil, affords a unique opportunity to manufacturers, particularly as the social atmosphere in that country is so favourable towards the British Empire. It is understood that the available space is limited.

Business Insurances

In view of the general interest in various forms of insurance, we have asked an expert to give our readers an idea of the ramifications of modern systems of insurance.

UNDER modern conditions insurance in one form or another is a necessity from the cradle to the grave. A stage has been reached when the prudent citizen must provide his own definite protection against various kinds of unexpected losses, rather than rely on the sympathy and charity of his neighbours to set him again on his feet when misfortune overtakes him. He has, in fact, no excuse for omitting to do so, as insurance facilities are available wherever there is civilisation, and even beyond such limits pioneers and adventurers may mitigate their risks.

Railway authorities may make a fatal error with disastrous results to life and limb; an aeroplane may suddenly precipitate you to mother earth, or your motor-car may resent your control. Thieves may take a fancy to your belongings, or rioters seriously damage your property. Your boiler may blow up, or your machinery break down. Nowadays practically every business transaction is incomplete without the requisite policies of insurance, which eliminate so far as possible the elements of loss. Every position of responsibility entails liability in one direction or another, and negligence or carelessness on the part of employees may be visited on the head of the employer in the way of heavy damages.

THE BEGINNINGS OF INSURANCE

Life being what it is to-day, insurance entering into it at so many points, it is interesting to get a few glimpses of the beginnings of it, which range from romance to roguery, the latter bringing in due course statutory and practical remedies, which have moulded the system and organisation to the form in which we now meet it. Insurance has been practised in this country continuously since the sixteenth century, though in Anglo-Saxon days, even, one finds a Guild's rules which read :

> If a member suffer from fire, water, robbery, or other calamity the Guild is to lend him a sum of money without interest;

while marine insurance was available to the Greeks, Romans, and Phœnicians in the sixth century.

The first English statute relating to marine insurance was passed in 1601, entitled "An acte concerninge matters of Assurances amongste merchantes," the function of a marine insurance policy being defined as follows :

> . . . by means of which policie if it cometh to passe, upon the losse or perishinge of any shippe, there followethe not the undoinge of any man, but the losse lightethe rather easilie upon many, than heavilie upon fewe, and rather upon them that adventure not, than those that do adventure; whereby all merchantes, speciallie the younger sorte, are allured to venture more willinglie and more freelie.

The foundation of the great corporation of Lloyd's is not without romance. In 1688 a certain Edward Lloyd was the proprietor of a coffee-house in Tower Street, which was much patronised by the shipping fraternity. The coffee-house was moved in 1692 to Lombard Street, and was then a recognised meeting-place of all with maritime interests, soon becoming an auction mart and the centre of all species of marine transactions. Edward Lloyd showed his initiative further by publishing "Lloyd's News" in 1696, but getting into trouble after a few months with the Government for printing a statement alleged to be untrue, he was forced to suspend publication. It was not until thirty years later that "Lloyd's List" again appeared, but since that date it has been published continuously. From such small beginnings have grown the vast system of shipping intelligence collected and circulated by Lloyd's to-day and the corporation itself. Edward Lloyd died in 1740 without kin to carry on his house; but he built better than he knew, and his name is in world-wide use to-day.

The Great Fire of London, in 1666, naturally gave a fillip to fire insurance, and fire underwriting was undertaken by clubs and individuals, and later by companies formed for the purpose. In those early days the fire insurance companies had their own fire brigades; but, as they were competitors, they could not be expected to extinguish each other's fires, so fire-marks (which are occasionally to this day to be seen on old buildings) were used to distinguish each company's risks. Later on, in 1791, several of the principal offices formed a combined "fire watch," and this primitive system continued till well into the nineteenth century, and even now the insurance offices, besides maintaining a salvage corps, contribute to the upkeep of the London Fire Brigade.

Other forms of insurance were also practised in those far-off days, pilgrims to the Holy Land being able to effect policies covering their personal safety, or for securing their ransom should they be taken captives. The selling of annuities on lives also was popular, and so were tontine schemes, where numbers of persons raised capital, the interest on which was divided among the survivors each year until the longest-lived took the whole. These schemes eventually were suppressed as lotteries, though not before the Government had floated several schemes for the purpose of raising money. The early years of the eighteenth century were prolific of all sorts and conditions of propositions, some good (one company founded in 1710, and two founded in 1720, have separate existences to this day), but others either swindles or failures.. It is interesting to note that at this time there existed a custom of the insurance offices issuing newspapers, sometimes part of the incidental benefits of insurance being to receive these gratis. Among examples of the societies formed at this period one may instance the "Fortunate" Office, to provide marriage portions of 200*l*. for those who paid 2*s*. a quarter, and an assurance office "for horses dying natural deaths, stolen, or disabled." Also, what can one think of offices formed during the South Sea Bubble period for insurance against lying, against death by drinking Geneva, for the insurance of female chastity, and against divorces. As may be imagined, the tendency of the age was towards gambling policies, and anything that served the purpose of a wager was accepted as the basis of so-called insurance contracts—for instance, whether William III. could reduce the city of Namur before a given date, or how long the mistress of a foreign sovereign would remain in favour.

These happenings brought their retribution, and in 1774 a "Gambling Act" was passed providing that no insurance should be made where the person on whose account it was made had no interest, or by way of gaming or wagering; also that no greater sum should be received from the insurer than the amount of the interest of the insured in such life or event. Thus the principles of insurable interest, and that insurance is a contract of indemnity only, came into being, which are the bases of insurance as it stands to-day.

About this time life insurance began to be studied, and a great number of offices, many of which are still vigorous, were formed, and competition became rife. There were, of course, bogus promotions and much mismanagement, both through want of practical experience and through extravagance. It must not be imagined that all the swindles were on the part of offices towards the public; many instances are on record of cases where the offices were defrauded.

LIFE INSURANCE

The Act of 1844 relating to joint-stock companies did not mend matters, and we have to pass to the Life Assurance Companies Act of 1870 before we arrive at conditions on lines as they exist to-day. This Act was the direct outcome of the failures of two big offices, the "Albert" and the "European," which brought much suffering in their train. The provisions of the Act of 1870 have been aptly summed up in the words "freedom and publicity." Life offices were required to deposit 20,000*l*. with the Court of Chancery until the life assurance fund amounted to 40,000*l*. Thus the formation of "mushroom" companies for life assurance was prevented. Life insurance funds had to be kept separately, and certain statements, including annually a revenue account and balance-sheet, and periodically particulars of the valuation bases and results, had to be made, from which the solvency or otherwise

of a company could be gauged. Actuarial knowledge by this time had advanced far, and from this date the life offices have as a general rule continually increased the strength of their reserves, solvency seldom being in question.

Other Insurance Legislation

It will be convenient at this point to deal with the statute regulating insurance business to-day, the Assurance Companies Act, 1909, so that in bringing the history of each section up to date a mere reference to the Act, where necessary, may suffice. This Act repealed previous legislation, which related only to life and employers' liability insurance, and re-enacted, with improvements where necessary, the most useful provisions, and extended the principles of "freedom and publicity," mentioned above, to other classes of insurance—namely, to fire, accident, and bond investment business. "Mushroom" promotions are excluded by a provision that every company transacting life insurance shall deposit 20,000*l.* with the Paymaster-General, and under certain conditions a similar sum must be deposited for other classes, so that in all the total may reach 60,000*l.* The receipts for each year of life, employers' liability, and bond investment business must be kept in separate accounts, and the funds may not be applied to other classes of business. Each year revenue accounts and a balance sheet, and, except where only one class of business is transacted, a profit and loss account must be furnished. Annual statements with reference to the accident and employers' liability business in prescribed forms must be deposited with the Board of Trade, and at intervals not exceeding five years an actuarial report and abstract, and a statement of life business. Absolute freedom is granted to the companies on most points where reserves and estimates are brought into account, but full particulars have to be given—in the cases of life and bond investment business as to the basis of valuation, rate of interest assumed, and so on, and in the cases of employers' liability and accident business comparisons of past years' estimates with the payments actually made, so that anyone conversant with the business is able to judge as to the relative strength of a company and the security afforded. It may be imagined that companies acting on unsound principles would soon be criticised by their competitors, and the system works admirably, as is evidenced by the absence of serious failures in the insurance world.

Modern Insurance Methods

Having made this short sketch of the legislation which regulates the working of insurance companies at the present time, we will pass back to the modern history of the main classes of the business that enter so frequently into life to-day. For many years now life insurance has made steady progress. The main features of modern prospectuses have been the offer of various options, valuable for business purposes, and the freeing of policies from restrictions, especially with regard to occupation and to travel or residence abroad. The entry of women into business has led to special attention being directed to schemes for female lives. During the war the offices rose to the occasion and refrained from imposing extra premiums on policies on the lives of those who joined the Forces. This, as may be imagined, entailed considerable sacrifices, for the claims, naturally, were mainly on young lives where the reserves were small. Full support, too, was given in the provision of the "sinews of war," by subscription to the successive Government loans.

As regards fire insurance, the methods firmly established during the eighteenth and early nineteenth centuries have continually been improved, the tendency being always towards fewer conditions and greater privileges. The influence of the companies in the reduction of fire hazard by means of appliances and general safeguards has been enormous. Developments have taken place in the direction of facilities being offered to cover not only actual physical property but consequential loss in the way of profits, standing charges, etc.

Accident insurance is a development which dates from 1846, being inspired by what is known as "Lord Campbell's Act" (reference to which will be made in connection with employers' liability insurance), and the introduction of express trains. The early policies were designed specially to cover railway accidents, and even then were full of conditions. Very soon policies were available covering any kind of accident, and then many decisions had to be made on the question of what was and what was not an accident. The combination of disease and sickness benefits with accident insurance was a later development in 1893, taken up a few years after compulsory notification of certain infectious diseases came into operation, which gave a basis on which to work, and gradually extension has been made, until now it is possible to obtain a policy to cover accidents and all disease and sickness.

Like fire insurance, indemnity against employers' liability is, under modern conditions, a practical necessity for every business man. Although at the present time employers' liability is looked at almost exclusively from the point of view of the Workmen's Compensation Acts liability did not commence only with the passing of these laws. There is a liability under common law for injury caused to a servant by negligence, but this does not extend to fatal accidents owing to the legal doctrine *Actio personalis moritur cum persona*—a personal action dies with the person. Accordingly, Lord Campbell, in 1845, introduced a Bill to amend the law and enable dependants to recover damages in cases where death had removed the right of action. There was, however, no special reference to the relations between employer and employed. In 1880 an Employers' Liability Act was passed, but again negligence had to be proved, though in this case the negligence might be on the part of someone superintending for the employer. As may be imagined, the risk was immediately catered for, and employers' liability joined the then minor classes of insurance. In 1897, however, a different principle was brought into operation with reference to certain defined employments, that a workman or his dependants could claim compensation irrespective of negligence. This Act greatly increased the field of operations from the insurance point of view, but the business was not generally taken up by the large offices. However, in 1906 a further Act was passed, extending the principle to practically the whole working population of the kingdom, and, concurrently with the commencement of the Act, all the big fire offices extended their operations to include this and other general classes of insurance. With employers' liability insurance it is a definite legal liability against which indemnity is granted, and the conditions are few and simple, so far as the policies are concerned, though almost a record must have been created in the time and money spent in obtaining legal decisions interpreting the Act. It is not, therefore, merely the liability under the Act that has to be provided against, but the means for providing law costs also. Recognising that claim payments under the Workmen's Compensation Act involved periods continuing sometimes for a lifetime, and that statutory regulations were desirable, in 1907 Parliament passed the Employers' Liability Insurance Companies Act, but two years later this was consolidated into the Assurance Companies Act, 1909.

Motor-car insurance, of course, dates from the time of the development of the motor-car in this country. It will be remembered by many that up to 1896 mechanically propelled vehicles were not allowed to travel more than four miles an hour, and had to be preceded by a man walking in front waving a red flag. After the emancipation of the motor-car development of insurance facilities was rapid, and now all legitimate risks may be covered at moderate premiums. The provision of insurance has without doubt greatly contributed to the progress of what is at present one of the greatest of industries.

Early attempts were made to establish burglary insurance, but without success, and modern development in this country, surprisingly enough, dates back only to 1889. Even then for years the field was comparatively neglected, but since 1907 considerable progress has been made, and though recent experience of the offices has

admittedly been unfavourable they will no doubt reap the reward of their labours in due time. A so-called burglary policy should include housebreaking, and larceny also for private household risks, if possible. Burglary and housebreaking are not synonymous terms, as is often supposed, for burglary must occur at night. Also it should be ascertained that a policy covers not only stolen property, but damage done by the intruders. It is on these points particularly that progress has been made, together with holiday clauses, allowing premises to be left unattended and property to be carried about.

The main classes of insurance generally effected have now been briefly dealt with, but policies covering the risks of more restricted sections of the population are innumerable. For instance, shopkeepers are particularly interested in plate-glass insurance and in third-party liabilities, especially those which affect particular businesses; business men often require guarantees of the fidelity of their assistants or cover against excessive bad debts; factories contain boilers and machinery which may involve their owners in loss and disaster; farmers may relieve themselves of risk from hailstorm or the loss of valuable livestock; and so on through every sphere of life there is usually some special risk that for a moderate premium may be placed on the broad shoulders of insurance underwriters. Developments of the last few years have notably included those dealing with aviation risks; insurance against the vagaries of the weather has received special attention, while coupon insurance, usually arranged by newspapers for the benefit of their readers, has come more to the front.

There are two great principles that should be borne in mind with reference to insurance contracts. The first is that of good faith. There must be no concealment, misrepresentation, or mis-statement of material fact. The second is that the contract is one of indemnity only; that within the limits and conditions of the policy an insured person is not entitled to more than he has lost. A legal insurable interest must exist for a valid contract to be made, though for this purpose a man has an unlimited interest in his own life, and a wife in the life of her husband.

An efficient organisation with a strong financial basis is always necessary for sound insurance purposes. It is, of course, the application of the principle of averages to large numbers that makes the foundation of the business, the amount retained on any one risk being small compared with the available resources. Sometimes in the case of new or small classes of insurance there are no data available, but as a business grows the past is called to the aid of the future; experience is tabulated and future rates fixed accordingly.

Westminster Wisdom

By the "C. & D." Parliamentary Representative

Safeguarding of Industries Act

This measure was among those that received the Royal Assent on August 19, just before the adjournment of the House of Commons until October 18.

Shops (Early Closing) Act, 1920

A Bill was introduced into the House of Commons last week to amend the Shops (Early Closing) Act, so that sweets, chocolates, or other sugar confectionery or ice-creams may be sold until 9.30 P.M. on week-days other than Saturdays and 10 P.M. on Saturdays. It received the Royal Assent on August 19.

Alkali Industry

Mr. Alfred Davies on August 19 asked the President of the Board of Trade whether a combination exists in the alkali industry; if so, who are the firms comprising it; and what is the scope of its operations.

Sir W. Mitchell-Thomson replied that he understood that there is an agreement in the alkali industry between Brunner, Mond & Co., Ltd., and the United Alkali Co., Ltd., and that the object of the agreement is to regulate prices and sales of certain products. He was informed that the agreement does not limit output or extend to labour conditions.

Arsenic in Pig-breeding

Mr. Forrest asked the Minister of Agriculture whether there have been recent instances in which the use of arsenic to improve the hair and skin of pigs for exhibition purposes has been followed by fatal results; and whether, in the public interest, he can state if arsenic is ever given to pigs to be used as food.

The Minister of Agriculture replied: The Ministry has received no reports with reference to the use of arsenic for the purpose in question, and no instance has been brought to the Ministry's notice of arsenic being given to pigs which are intended for food.

Export of Opium from India

Colonel Sir C. Yate, on August 15, asked the Secretary of State for India what steps the Government of India propose to take regarding the export of opium from India, owing to the failure of the Chinese Government to carry out its undertaking to put down the cultivation of opium in China?

Mr. Montagu replied that as the Chinese Government prohibited the import of opium into China in 1919, the Government of India are bound under The Hague Convention to prevent its export to China.

Restricting Opium Cultivation

Sir J. D. Rees asked the Lord President of the Council on August 18 whether the League of Nations is now charged with the duty of deciding how much opium is to be grown in the world and how much is required for medicinal purposes, and of preventing the cultivation of the poppy to any greater extent than will suffice to satisfy this need; and, if the answer be in the affirmative, can he say how the League proposes to enforce its decrees in foreign countries such as China and Persia.

Mr. Shortt replied: Article 23 of the Treaty of Peace entrusts the League with the general supervision over the execution of the International Opium Convention of 1912 and any Conventions on the same subject which may hereafter be concluded. One provision of the existing Convention requires the signatories to enact effective laws or regulations for the control of the production and distribution of opium, but it does not rest with the League to decide how much opium is to be grown.

Small-pox

Mr. Lyle asked the Minister of Health on August 19 (1) whether he is satisfied that medical men are all thoroughly familiar with the earliest signs of incipient small-pox; and, if not, whether he will arrange with the profession for a general warning to practitioners on the subject so as to check, in the initial stages of any outbreak, any serious spread of the disease, particularly in the thickly populated districts. (2) Whether he is warning the various local authorities of the need for preparing hospital accommodation for potential cases of small-pox; whether, since the war, there has been a steady growth in the number of these cases; whether he can explain the prevalence of the disease after our long immunity in the past; and whether he can guarantee that the utmost care is taken to ensure that the lymph is in all cases British manufactured and not imported from abroad, where British supervision is slight.

Sir A. Mond replied that practical experience of small-pox is, owing to its rarity in this country, not possessed by every medical practitioner, but every medical practitioner should know what are the earliest signs of this disease. He did not think that at present there is any need for a general warning such as suggested, but the medical officers of the Ministry of Health are prepared to take immediate action when necessary, and to advise local authorities as to the steps to be taken for combating the disease, including the provision of adequate accommodation for isolation. All vaccine lymph issued to public vaccinators and medical officers of health is manufactured at the Government lymph establishment, but private practitioners are, of course, free to purchase lymph from other sources, British or foreign.

Marriages

NEESON—WOODWARD.—On August 15, Horace John Neeson, chemist and druggist, 680 Romford Road, London, E. 12, to May Elizabeth, second daughter of Mr. E. Woodward, 12 Dudley Road, Ilford.

Golden Wedding

WHITE—NALDRETT.—At the Parish Church, Horsham, on August 8, 1871, by the Rev. N. Hodgson, James Walter White, Ph.C., Hampton, Middlesex, to Mary, second daughter of Mr. Henry Naldrett. Present address: Clifton, Bristol.

Deaths

DAKIN.—At Brittany Lodge, Edwardes Square, Kensington, London, W. 8, on August 20, Evelyn Rose Harrison Dakin, widow of the late Mr. Joseph Harrison Dakin (Dakin Bros., Ltd., 82 Middlesex Street, E. 1).

DUNCAN.—At Weston-super-Mare, on August 20, suddenly, Mr. David Draper Duncan, chemist and druggist, manager to Mr. C. A. Stokes, chemist and druggist, Bristol, aged forty-two. Mr. Duncan, who was on a holiday, died while taking a walk along the sea-front.

GOOSEMAN.—At 107 Sutherland Avenue, London, W. 9, on August 2, Mr. Henry Charles Gooseman, chemist and druggist (representing the Vinolia Co., Ltd.), aged fifty-three. Mr. Gooseman served his apprenticeship to Mr. E. H. Earle, chemist and druggist, Hull, and gained further experience with Bradley & Bourdas, London, S.W. After qualifying (in 1890), he was for some time in partnership with Mr. Earle, and then returned to London, where, prior to joining the Vinolia Co.'s representative staff, he managed a business for Lewis & Burrows, Ltd., in the South-Western district. Mr. Gooseman, who was a well-known Freemason, was popular both in Masonic circles and in the drug-trade, and his loss at a comparatively early age is widely regretted.

HALL.—At 6 The Traverse, Bury St. Edmunds, on August 22, suddenly, Mr. Thomas Henry Hall, chemist and druggist (see p. 42). Mr. Hall qualified in 1905. He leaves a widow and a son.

HEATHCOTE.—Recently, Mr. Henry Charles Heathcote, chemist and druggist, Winster, Derbyshire. Mr. Heathcote was registered as having been in business before August 1, 1868.

THOMAS.—On July 19, Annie, dearly beloved wife of Mr. Richard Thomas, Ph.C., 13 Upper Baker Street, London, N.W. 1.

Personalities

MR. F. G. HINES, member of the Council of the Pharmaceutical Society of Great Britain, is touring in Denmark and Sweden.

MR. P. J. HARDING has been appointed to represent Mr. R. J. Reuter, 69 Carter Lane, London, E.C., in Ireland and the Isle of Man.

MR. G. P. FORRESTER, F.C.S., of Parke, Davis & Co., has been elected an honorary member of the Collegia de Farmacéuticos de Barcelona.

MR. C. J. SPENCER has joined the board of directors of Vernon Powell, Ltd., wholesale druggists' sundriesmen, 7 Watling Street, London, E.C., and will have charge of their factory.

MR. E. A. J. OWEN has been appointed to represent H. & T. Kirby & Co., Ltd., manufacturing chemists, Newman House, Willesden Green, London, N.W., in Kent and on the South Coast.

MR. A. R. KEITH, President of the East London Pharmacists' Association, who, on the occasion of the visit of the North, North-Eastern, and East London Associations to the sports ground of S. Maw, Son & Sons, Ltd., on July 21, captained the chemists' team (*C. & D.*, July 30, p. 48), has been presented by Messrs. Maw with the ball used in the match. Attached to the ball is a silver plate appropriately inscribed.

Wills

MR. MAURICE SANSOM, Ph.C., 9 Wheatclose Road, Barrow-in-Furness, who died on July 7, left estate of the gross value of 3,215*l.* 4*s.* 7*d.*, with net personalty 1,702*l.* 0*s.* 10*d.*

MR. WILLIAM FREDERICK BURDEKIN, chemist and druggist, 4 Green Park, Darlington, who died on March 16, left property of the value of 5,300*l.* 9*s.* 4*d.*, with net personalty 751*l.* 17*s.* 2*d.*

MR. RICHARD BOND TURNER, 13 Lancaster Street, Hyde Park, London, and of R. B. Turner & Co., chemical and laboratory glassware importers, Eagle Street, London, W.C., who died on May 31, has left 20,117*l.* 2*s.* 11*d.* He gives his capital share and interest in R. B. Turner & Co., 5,000*l.*, and the Cliff Bungalow, Lancing, to his wife, and he appoints her to be director of the firm.

MR. JAMES ROSS GWATKIN, chemist and druggist, 49 Grand Parade, Brighton, who died on February 3, left estate of the gross value of 3,465*l.* 19*s.* 2*d.*, with net personalty 3,414*l.* 2*s.* 11*d.* Probate of his will has been granted to Archibald James Gwatkin, 12 Montague Place, Worthing, and Hugh Ross Gwatkin, 49 Grand Parade, Brighton, pharmacist.

MR. SYDNEY WILD, Ph.C., Merlewood, 239 Park Lane, Macclesfield, who died on May 4, left estate of the gross value of 6,578*l.* 17*s.* 11*d.*, with net personalty 6,366*l.* 10*s.* 3*d.* Probate of his will has been granted to Charley Dean, Langton House, Hollybrook Road, Birkdale, chemist, and J. H. Naden, 7 College Lane, Macclesfield. Among the bequests are 15*l.* each to Robert and William Astle if in his service at his death, and the residue of the property to his "valued friend," Charley Dean, "who has contributed so largely to my happiness and pleasure in life."

MR. WILLIAM HARRY HOBBS, chemist and druggist, 1, 2, and 3 Trinity Place, Tower Hill, London, E.C., of W. H. Hobbs & Co., Ltd., who died on April 28, left estate of the gross value of 79,764*l.* 15*s.* 5*d.*, with net personalty 15,991*l.* 16*s.* 3*d.* The testator left 500 ordinary shares in W. H. Hobbs & Co., Ltd., to Thomas J. McArthur, 50*l.* to John Seymour Craddock, foreman, and 500*l.* for distribution among the employees of W. H. Hobbs & Co., Ltd. Subject to his wife's and other interests, he left the residue of his estate to his children or their issue, whom failing, as to five-tenths to his wife, four-tenths to Thomas Jas. McArthur, and one-tenth to Claude Frederick Button.

GOVERNMENT WOOL-DISINFECTING STATION.—In a letter to "The Morning Post" of August 24, Sir Malcolm Delevingne, writing from the Home Office, calls attention to the work of the disinfecting station for wool established by the Government at Love Lane, Liverpool, and mentions that an official memorandum on the subject is issued by the Stationery Office (price 3*d.*). Sir Malcolm adds that a Government Committee has unanimously recommended the adoption of the same process of disinfection in the case of horsehair.

TRIESTE SAMPLES FAIR.—The Department of Overseas Trade suggests that British manufacturing and export houses desiring to have their literature displayed at the Trieste Samples Fair, which opens on September 11, should forward catalogues or other printed matter by express post, not later than September 1, to the British Consulate-General, Trieste, marked "British Propaganda Bureau." So far as possible, matter should be printed in Italian. As the space available is limited, the number of catalogues despatched by any one house should not exceed fifty, and of leaflets 500.

Trade Notes

CULMAK SHAVING BRUSHES.—A display box for Culmak shaving brushes is a feature of an advertisement in this issue.

WOOD WOOL FOR PACKING.—Eric Morton & Co., Broad Street House, London, E.C. 2, are offering Quebec wood wool in three grades. Samples and prices may be had on application.

PEEKABO SOAP.—A bonus offer of 1 doz. tablets of Peekabo soap is made by Evans Sons Lescher & Webb, Ltd. The bonus is given with orders of 2 doz. boxes (of three tablets). Advertising matter is also sent.

BURROUGHS WELLCOME & CO., Snow Hill Buildings, London, E.C. 1, inform us that their warehouses will be closed on August 31 for the purpose of stocktaking, and that only emergency orders can be executed on that day.

OPTICAL TUITION.—In the Educational Number (*C. & D.*, August 20, p. 83) the address of Mr. C. A. Scurr, F.S.M.C., was wrongly given. It is 64 High Street, Barnet, to which address all correspondence should be sent.

ENSIGN FILM COMPETITION.—Particulars are given in the advertisement of Houghtons, Ltd., 88-89 High Holborn, London, W.C. 1, of the Ensign 100*l.* film competition, in which dealers receive a bonus if they have supplied films to the prize-winners.

COCKLE'S PILLS.—The price of Cockle's pills is now protected under the scheme of the Proprietary Articles Trade Association. The wholesale and retail prices are given in the advertisement in this issue of Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C. 1.

FOOT ARCH SUPPORT.—Salmon Ody, Ltd., 7 New Oxford Street, London, W.C. 1, advertise the Salmon Ody spiral spring adjustable arch support, which is used in the treatment of flat-foot and is stated to be superior to supports with a rigid plate. The company supply descriptive pamphlets for distribution by chemists.

AUTOMATIC BOTTLE-MAKING.—The United Glass Bottle Manufacturers, Ltd., 40-43 Norfolk Street, Strand, London, W.C. 2, have sent us a booklet entitled "A Great British Industry," which describes the new automatic bottle-making machinery that is now working at Charlton. The company, we are told, turns out 250 million bottles per annum. The Owens automatic machine is employed at the works. A copy of the booklet will be sent on application.

D.D.A. CARD.—C. R. Harker, Stagg & Morgan, Ltd., Devon Wharf, Emmott Street, London, E. 1, are sending early next week to each of their customers a Dangerous Drugs Act card, 10 in. by 12½ in., which gives on one side a useful list of pharmaceutical preparations within and without the Act, and on the other side a concise statement of "What the chemist may do" and "What the chemist must do." Reference is made to the *C. & D.* Dangerous Drugs Act card for the method of calculating the proportion of "dangerous" drugs in prescriptions, etc.

FLETCHERS' SPIRIT REBATE STOCK BOOK.—A fifth edition of this well-known publication, prepared by Mr. Mair, has been issued by Fletcher, Fletcher & Co., Ltd., Vibrona Laboratories, Holloway, London, N., and is obtainable at 1*s.* 6*d.* Its usefulness is enhanced by an addition to the tables of a column for conversion to proof ounces—1 ounce to 1 gallon—worked out to the third decimal place. It is found that by keeping the record throughout in proof ounces and converting to proof gallons in the total there is an appreciable advantage, since only gallons and tenths of a proof gallon are recognised in making claims.

"SUTTLOCK" REGISTER.—We have received from Suttley & Silverlock, Ltd., chemists' printers, Blackfriars Road, London, S.E. 1, a copy of the "Suttlock" Register for recording transactions under the Dangerous Drugs Act. It is a substantial bound book, 9¼ in. by 6¾ in., provided with a thumb-index, so that the five sections can be turned to without delay. The text is given of the Dangerous Drugs Act and the Regulations made under Sections 3 and 7. A fair proportion of pages has been allotted to the sections, and the "sold or supplied" pages, as they should be, are more numerous than those devoted to purchases. The rulings of the pages are in accordance with the models given in the Regulations. The "Suttlock" Register contains 136 pages and sells at 7*s.* 6*d.*

D.D. REGISTERS.—The London Chemists' Costing System has issued a register and index for use in recording "dangerous" drugs. The cover is a flexible manilla one and the book is wired. There is printed the authorisation for a modified book on the front, and inside the cover is a lucid summary of the Act and Regulations, with a list of exemptions. The front page is given over to the list of official drugs, with percentages and a table of limitations for the various drugs employed for stated quantities. One page is spaced for purchases and the other side for indexing the various references to the Poisons Book, and with a column for stating where the prescriptions or orders are filed. The name of the drug is not printed in the headings; it is left for the pharmacist to write the name at the top of the respective pages, so that the book can be fully used to the last page. The price is 2*s.* 6*d.*, post free, from Mr. G. F. Weiss, 180 Philip Lane, Tottenham, London, N. 15, or Mr. A. Murray, 255 Albert Road, Pollokshields, Glasgow.

Business Changes

THE business of Shirley Bros., Newington Causeway, London, has been acquired by Cussons Sons & Co., Ltd., Kersal Vale, Manchester. All the well-known Shirley lines are available.

THE LONDON CHEMICAL WORKS, LTD., Southall, are to reopen their factory at the end of the month for the production of salicylic acid and sodium salicylate. Manufacture, which was started in 1915, was brought to an end owing to German dumping. The Dyestuffs Act has come to the aid of the British enterprise by prohibiting the importation of German salicylic acid for a number of years, and the Southall factory will soon be in full swing again.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

C/248. Alophes tablets
E/228. Liquid Energy
E/228. Humphrey's pile ointment
M/178. "Ideal" corn plasters
M/228. Dental plate brush with small wooden handle, branded with a set of false teeth (actual makers)

INFORMATION SUPPLIED

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4.

American Fluid for horses, O/228
Buxton mineral water, E/138
Cardboard - box making machines, S/277
De Pfeuffer's Hæmoglobin, W/168
Drysules, N/198
Edge runner mills, S/178
Haines' Golden Specific, S/118
Kennedy's medical Discovery, C/118
Mousley's "Beaverpuf," R/228
Morell Mackenzie's Asthma Cure, S/168
"Pinnacle" indiarubber soap stands, S/168
Pyrol paint oleaner, C/238
"Queen Mab" vaporising lamp, D/118
Sprazone, G/168
Unna's plasters, C/238
Vacuum beauty cups, S/228
Vegetable dyes, G/238
"Vega" Spirit Stoves, S/168

PARCEL POST TO RUSSIA.—It is announced that uninsured parcels may be posted to Russia in Europe and Russia in Asia (except the Ukraine and Turkestan) at sender's risk. The maximum weight allowed is 11 lb.

EXPORT CREDITS.—The export credits scheme has been extended to include Italy, Portugal, and the Portuguese Colonies. Inquiries should be addressed to the Director, Export Credits Department, 73 Basinghall Street, London, E.C. 2.

Observations and Reflections

By Xrayser II.

Your Educational Number

necessarily repeats a good deal of matter from year to year, but it is always up to date, and sometimes, as this year, ahead of it. It is well the student should be forewarned of his liabilities, and since the changes you forecasted last year are still in the future tense, the fact that they are imminent should be borne in mind, though it is quite conceivable that they will never be introduced in the form proposed. I confess that some of those affecting the Qualifying examination seem to me unnecessary. There is a pretty widespread demand for the inclusion of new subjects here, and if they are introduced it is surely a mistake to add so much to the knowledge of physics required. I am no advocate of the "commercial" school, but a knowledge of business methods is as requisite to success in a pharmaceutical career as the "new physics" proposed for 1923, and human capacity being what it is, it would be unreasonable to include both. The pharmacist, like Issachar of old, is an ass between two burdens—business on the one side and science on the other. If he were allowed to choose which he would augment, business would (to change the figure and speak in Homeric style) weigh down the scale and science kick the skies, yet every change is the reverse of this. If the science required of us were no more than is really necessary there might be an opening for "commercial science," and I wonder those who desire this don't more strongly oppose changes that make it virtually impossible. There is always the Major for those who are more scientifically inclined. Your suggestion of an outside committee is an admirable one.

"An Examination Veteran"

says many good and true things, but most of them are beside the mark, and some, though true to the ear, are not so to the heart. "Pharmacy is more protected by Statute than medicine." Literally this is true perhaps, but who would not rather have such protection as the General Medical Association affords its members than that we have under the Pharmacy Acts? He tells us that medical students do not inveigh against the tests they have failed to pass, but it is not chiefly those who have failed to pass our tests who inveigh against them, but those who, having passed them, have found how unsatisfactory they are. He speaks of the Pharmaceutical Society as our *alma mater*, but how many of the whole body of chemists have any reason so to regard it? He charges those who criticise the Society with lack of loyalty, but many of them, at any rate, owe it none, and in others criticism is no sign of disloyalty. The one thing that does militate against the Society is the indifference that characterises half its members, and this is mainly chargeable upon the Society itself. Men are not, as a rule, indifferent where their own interests are obviously concerned. The contrast your correspondent draws between the attitude of apothecaries' assistants to their Society and chemists' assistants to ours is eloquent of much. The apothecaries have given their assistants every help they could and a recognised status; our Society does not recognise assistants as such at all.

The Poison Antidotes Bill,

if it ever becomes law, will put pharmacists to a good deal of expense in labels, but there is much more to be said for it than for most recent legislation affecting our craft; indeed, the expense it will cause us notwithstanding, the provisions of the Bill are, so far as labelling is concerned, admirable, and are not infrequently anticipated by chemists. That we ourselves are always on the spur of the moment ready with the best antidote in a case of poisoning is doubtful, and it is certain that many valuable lives are lost through the ignorance of the public. It is a private member's Bill. There is little likelihood of it becoming an Act of Parliament, but its introduction in the Commons is a hint that we should do well to anticipate the growth of opinion in that direction.

The Harvest of the Seaside

(if I may adapt a phrase I have heard inserted in the Litany in the Isle of Man) must be an extraordinarily good one this year. I have heard of rooms having been applied for in vain three or four, and even six, months in advance, and that not only at the more popular resorts, but at places I had barely heard of; and the prices asked in many cases—8*l.* 8*s.* for two rooms only at Scarborough, for example—prove that the demand was from people who were not short of means. It is to be hoped the lodging-houses leave a few gleanings for the chemists. This custom of going to the seaside as a watering-place, though an old one (for it was common in Roman times), has increased enormously of late years, and was never so general as now. I remember when the custom of drinking sea-water as well as bathing in it—a pint before breakfast was taken as a cathartic—still survived among country people, and I have heard my father tell of a distant relative of his, like himself a farmer in the Vale of Belvoir, who used, between hay and corn harvest, to walk to Frieston, on the Wash, doing the whole journey (about forty miles) in one day, and returning after a week's stay with a gallon jug of sea-water strapped on his back that he might continue the treatment for another week at home. The local pharmacist (if there were one) would have little cause to welcome such a visitor; but we live in happier if less heroic days.

A propos of your Remarks

on Spanish olive oil, "Spanish oil" had in ancient times a distinctive reputation. Galen speaks of it as an astringent, and contrasts it with "Sabine oil," to which he attributes laxative properties. In "Methodus Medendi," viii., 2, he tells how he cured a febrile patient who had been in the habit of using "that astringent oil, justly famous for its utility for other purposes, which they call Spanish (*Spanon*)"; in xi., 16, he recommends, when a strong astringent is required, "such an oil as that called *Spanon* and all others made with olive leaves"; and in xii., 3, directs his pupils to avoid in certain cases "the astringent Spanish and Istrian oil and that made with leaves or from still unripe olives." The word *Spanon* is by the older scholars (Linacre, for example) taken as *Hispanum*, "Spanish," but in Kühn's edition of Galen it is in the first passage quoted above identified with the classical *spanon*, and rendered *rarum et pretiosum*, though in the other cases the text is altered to *Hispanon*. A friend, however, tells me that the MS. reading, as seen in Brit. Mus. Harl. MS. 6898, f. 129B, is *Spanon*, and that this form occurs in a papyrus letter to be published in Part XVI. of the Oxyrynchus Papyri, the writer of which mentions the receipt of "5 sextarii of *spanon*," and there can be no doubt that the meaning is Spanish. How was the oil prepared? Galen mentions olive leaves, and in the *Geoponica*, a compilation of agricultural rules and recipes made about A.D. 950 by command of the Emperor Constantine VII. Porphyrogennetos, there is a recipe for it which is headed, "To make oil like Spanish."

The English Plant Names

you quote from the Polish Lexicon are by no means exhaustive. Take the names for *Tussilago Farfara*, for example. Gerard gives it the names Fole-foot, Colts-foot, Horse-hoofe and Bull-foot, and adds that a better name than any of these would be Coughwort, which was never generally adopted. To these Cotgrave adds Hall-foot, the meaning of which I cannot guess. Ass's-foot (from the French name for it, *Pas d'âne*) I have also met with. In "Alphita" it is Feldhove, donnhove, and wowell, the last being, I suppose, a misprint or clerical error for fowell, which, like feldhove, derives from foal-hoof. Donnhove is particularly interesting. Donn seems to have been an old name for a horse (hence donkey, a little horse, a derivation accepted by Skeat, but ignored by the Oxford Dictionary). Donnhove became corrupted to tun-hoof, as did hay-hove (a name for ground ivy) to alehoof.

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Editorial Articles

Sale of Habit-forming Drugs

Before another issue of this Journal appears the Regulations made under the Dangerous Drugs Act will be in force. On and after September 1 chemists will be required to observe many irksome formalities whenever they dispense medicines containing over certain proportions of cocaine, diamorphine, morphine, and their salts and preparations, or of medicinal opium. In view of many inquiries which we have received we emphasise the fact that preparations containing the so-called "dangerous" drugs (mentioned above) in a smaller amount than one per thousand in the case of cocaine and diamorphine, and one in five hundred of morphine, are outside the Act—they are not "dangerous" drugs, and the restrictions and prohibitions imposed by the Dangerous Drugs Act do not apply. The sales of preparations outside the Act do not require recording in the registers which must be kept under the Regulations. Many chemists cannot understand a system of controlling the purchase and sale of the "dangerous" drugs which leaves the sale unrecorded of the greater part of the drugs which will be purchased. This is one of the inconsistencies of the Act, and is probably accounted for by the fact that the Hague Convention contemplated that the ordinary poison sale regulations already in force in most civilised countries would be employed as the machinery for controlling the sale of habit-forming drugs. Instead of this simple process, which in the case of retail chemists would have meant at most a tightening-up of the Pharmacy Act conditions of poison sale, we have had built up within the past year a complicated, cumbrous, and costly system of control which must rejoice the heart of all bureaucrats. It grows more elaborate as the time approaches for enforcing the Regulations. This week several authorisations have been issued permitting the sale of "dangerous" drugs and preparations to certain people who fulfil particular conditions. A retail chemist may well feel bewildered as he contemplates the numerous Regulations and exceptions with which he has to be familiar. Retail sale is, on the one hand, forbidden, and, on the other, permissible to an army of authorised persons. A general catechism will be needed if a customer asks for one of the drugs. Are you a medical practitioner, or a dentist, or a veterinary surgeon, or a certified midwife, or an unregistered dental practitioner, or an occupier of a factory or workshop, or a farmer or stockowner, or the skipper of a British fishing vessel? If you are, you can be supplied upon certain conditions. The customer, on the other hand, may produce a written authorisation from a licensed or authorised person which the chemist must be satisfied is genuine. Again, it may be a prescription that is presented, which if not on an official form—and it cannot be, as these forms have not yet been issued—must comply with many conditions. In some cases only a number of calculations can decide whether the prescription falls within or without the limits of the Dangerous Drugs Act. Moreover, it must be borne in mind that the non-fulfilment by the chemist of any detail of the Regulations may involve him in a criminal prosecution. As we have stated on previous occasions, the duty of chemists is to observe the law

strictly, and it is, in consequence, incumbent upon them to be acquainted with the various Regulations made under the Act. We have published many comments upon the Act and upon the Regulations which have had for their object the familiarising of our readers with the numerous details. Last week we issued a Dangerous Drugs Act Card containing a concise summary of the Regulations and a guide to the methods of working out the percentages of "dangerous" drugs in pharmaceutical preparations and in dispensed medicines. We are glad to find that the issue of this card, intended for hanging up in the pharmacy, has been so much appreciated. The cards were on sale at our office last Friday morning, and since then a staff has been practically continuously employed in despatching orders for them. We are reprinting the card before the large first edition is exhausted, so that we can fill all orders by return of post, as we recognise that our readers will require to have a copy for study before September 1. We have to thank the correspondents who have sent us suggestions for extending the information on the card. These have been duly noted, and will be utilised as occasion offers. The terms of the authorisation to hospitals are given elsewhere in this issue. The chief provisions may be summarised as follow :—

(*a*) Orders for the drugs shall be signed by the pharmacist.

(*b*) A record shall be kept by him under separate headings for all purchases in the drug ledger, showing the source of supply.

(*c*) Any medicine dispensed in which the percentage of the drug brings such medicine within the Regulations shall be on a prescription in writing, dated and initialled by the prescriber. It shall be also initialled by the dispenser to show that it has been dispensed. It shall also show the name of the patient or case number. A fresh prescription shall be written for every occasion when it is to be repeated.

(*d*) The pharmacist shall keep a record of all such prescriptions, date, name of prescriber, patient or number of case.

(*e*) Prescriptions shall be kept for at least two years.

(*f*) Stocks shall be requisitioned by the sister in charge and signed, which shall be used only in accordance with medical instructions.

(*g*) The drugs shall be kept under lock and key.

(*h*) The requisitions shall be in duplicate, the sister keeping one and the pharmacist filing the other on which he shall indicate that it has been supplied.

(*i*) Precautions shall be taken for the safe delivery to the wards, surgery, or theatres.

It is satisfactory to find that considerable modification has been made in the Regulations as first devised. The alterations have made easier the process of carrying out the checking of habit-forming drugs, and have wiped out some features which were inserted without due consideration. The latest instance of taxation by Government departments is the charge made to wholesalers for licences to purchase and sell "dangerous" drugs. The charge for an annual general licence has been fixed at 5*l*. in respect of one drug only, and 2*l*. in respect of each additional drug after the first. Thus, if a manufacturer requires to deal in raw opium, medicinal opium, cocaine, diamorphine, and morphine, the annual payment will be 13*l*. It has been known for some time that the charge would be a high one, and different views are held regarding the effect of the high charge. Evidently the departmental view is that money must be obtained somewhere, so that when the inevitable inquiry is made by Parliament as to the costly system of administering the Dangerous Drugs Act the Home Office will be able to reply that the licences pay the cost.

Safeguarding of Industries Act

After a stormy passage through Parliament, this measure received the Royal assent on August 18 and became an Act of Parliament. It will be put into force on October 1 next, and already we are receiving inquiries from subscribers who are interested and anxious to learn how far-reaching its effect will be, and how the provisions of the Act will work when put in practice. We printed the Bill in the *C. & D.* (I., 1921, p. 799), but many alterations have since been made. The Act will soon be obtainable from the Stationery Office. Divided into two sections, the Act deals with the protection of what are known as "key industries," "dumping," and unfair competition owing to depressed foreign exchanges, in two distinct ways. In the "key industries" section a duty of 33⅓ per cent. will be levied on all goods specified in the detailed lists which will be issued on or before the Act is put into force. All goods specified in the lists which are consigned from abroad and manufactured outside the British Empire will be liable to this duty when landed. Anyone may lay complaints against the inclusion or exclusion of any goods or products in the lists up to within three months of their publication by the department concerned. Such complaints will be submitted to and considered by an independent referee, whose decision will be final. Supplementary lists of "key industry" products may be issued by the Board of Trade from time to time, but the inclusion or exclusion of any goods or products will not be retrospective. There is a good deal of speculation as to what products will be included in the lists under the heading "all other fine chemicals," and the Board of Trade's interpretation of this clause will be closely followed by our readers. Doubtless it will take the general principle of including all products that have been refined up to the British Pharmacopœia or other similar standard, and exclude the more or less crude qualities generally spoken of as the commercial grades. There are, however, many products for which good arguments could be brought to bear both for and against their being termed a "fine" chemical. Once the list has been published there should be little or no cause for complaint on the ground of misunderstanding or for delay in departmental action in carrying out the work involved. The "key industry" section provides for a clear-cut duty of 33⅓ per cent. on specified goods, based by the Customs on the value of the goods in bond; the importer paying duty on freight and insurance. In certain cases where products are liable on importation to other duties, such duties will count as part, or (if in excess) as the whole of the duty. The German Reparation Act duty of 26 per cent. will not be credited to an importer as part-payment of the "key industry" duty. Goods imported by licence under the Dyestuffs Import Regulation Act are exempt from this part of the Act. If goods or products scheduled under the "key industry" section are found liable to the "dumping or depressed exchanges section," a further duty over and above the "key industry" duty may be levied—making in all a duty of 66⅔ per cent.—such duty being calculated on the value of the goods in bond. Part 2 of the Act deals with dumping and collapsed exchanges. The most important point of this section is that no duties can be levied until a complaint has been made to the Board of Trade of dumping or unfair competition owing to the goods in question coming from a country with a depressed exchange. That Department has to satisfy itself that the goods complained of are being sold or offered for sale in

the United Kingdom (1) at prices below the cost of production thereof—*i.e.*, the wholesale price at the works charged for the goods of the class or description for consumption in the country of manufacture; (2) at prices which, by reason of depreciation in value in relation to sterling of the currency of the country in which the goods are manufactured, are below the prices (in sterling) at which similar goods can be profitably manufactured in the United Kingdom. When a complaint has been investigated by the Board of Trade, assisted by an independent committee, and the complaint has been proved to be well-founded, an order will be made to apply Part II. of the Act to such goods, but even then the order cannot be enforced until it has been presented to Parliament and a resolution passed in that House approving of the order. Should the House, when the order is made, stand adjourned for more than a month, the Board of Trade has the power to enforce it forthwith, but must present it for the approval of Parliament directly the House assembles. There is very little hope, therefore, that this part of the Act can be put into force for some time, and it is interesting to note that no action will be taken until complaints have been lodged and proved, and afterwards confirmed by Parliament. It would appear that the onus of proving cases of dumping or unfair competition lies with the person making the complaint, who would, no doubt, be called upon to furnish the necessary evidence when the point is being considered by the committee at their meeting. Such meetings will be usually open to the public. At the same time, an importer may find it necessary to submit evidence refuting the statements of a complainant. The prospect of enforcing Part II., at any time, seems to be in consequence remote. The Government have stated that they have commercial treaties with a number of countries, and that these treaties would have to be taken into consideration when applying this part of the Act to goods coming in from those countries. The following are the States with which the United Kingdom has commercial engagements: Argentina, Belgium, Bolivia, Colombia, Costa Rica, Denmark, Esthonia, Greece, Honduras, Italy, Japan, Liberia, Mexico, Netherlands, Nicaragua, Norway. Paraguay, Persia, Portugal, Roumania, Serb-Croat-Slovene State, Spain, Sweden, Switzerland, United States, and Venezuela. A rather important clause allows the free importation of goods fourteen days after an order has been made and sanctioned for this part of the Act to be applied to such goods. All orders made and sanctioned will continue in force for three years unless repealed in the meantime. Drawbacks will be allowed to importers who have paid duty on goods which are afterwards proved to the satisfaction of the Customs to have been re-exported. The duty will not be levied on goods held in bond for re-exportation, or on goods passing through the United Kingdom for re-exportation. Goods liable to the duty under the heading of "dumping" will not be liable to a like duty under the heading of "collapsed exchanges."

Department of Overseas Trade

In our issue dated July 2 (p. 56) we commented on an attempt that was being made to curtail the activities and usefulness of this department by a reduction in staff, which has since been recommended by the Stanley Holmes Investigation Committee, in their recently issued report. The findings of this committee are obviously based on the short-sighted policy of economy at all costs, and it is evident that they have overlooked the essential object for which the Department of Overseas Trade was organised—that of fostering and increasing overseas trade. At the very time when the country is struggling to regain its old position in the commercial world, a committee—whose findings were based on a few days' cursory tour through the Department—recommends "cuts" on the score of economy that are bound to mean the loss of much export trade consequent upon the Department's future restricted activities. The committee were surely aware, when they drew up their report, that Germany, our chief competitor for the world's markets, has, since the armistice, organised State commercial development departments on a much more elaborate scale than that of the Department of Overseas Trade in this country. No one would have dared to suggest closing down our great arsenals during 1914-1918, and it seems just as fantastic now to propose the closing down or rendering less effective our "commercial arsenal." The recommendations of the Investigation Committee appear to be concerned principally with reorganisation—for instance, the merging of several sections into one. If carried out, such proposals would mean chaos and render impotent the usefulness of the Department, and at the same time achieve little or nothing in the way of economy. Since its inception the Department of Overseas Trade has been run as a business concern, controlled by business men of conspicuous ability. It has, at frequent intervals, been subject to the strictest investigation, and on every occasion it has more than justified its existence and the expenditure entailed. We congratulate the Department's Advisory Committee on refusing either to accept or act on the Investigation Committee's findings. The Government can rest well assured that the members of the Advisory Committee, who are all leaders in great industrial undertakings, and include such distinguished names as Sir Francis H. Baker, Sir Algernon Firth, Bart., Sir Charles McLeod, Sir William Pearce, M.P., and the Right Hon. Lord Riddell, keep a sharp look-out on expenditure. An organisation controlled by such a committee is in itself a guarantee against "waste." The findings of the Investigation Committee seem to be a case of economy gone mad, and we venture to think that the Government will very properly be influenced by the resolution of the Advisory Committee rejecting the proposals of the Investigation Committee. To act otherwise would show a lack of appreciation of the splendid services the members of the Advisory Committee have rendered, in an honorary capacity, to the nation.

The Census Figures

The provisional figures issued on August 23 by the Registrar-General for England and Wales constitute a preliminary record of the results of the postponed Census, and may be regarded as approximately accurate. The population of Great Britain is returned as follows: England and Wales, 37,885,242; Scotland, 4,882,288; total, 42,767,530. For the three divisions of Great Britain the percentage increases on the figures for the year 1911 are: England, 4.8; Wales, 9; Scotland, 2.5. The increase in England and Wales amounts to 1,814,750, corresponding to a decennial rate of increase of 4.93 per cent. The increase itself is numerically only about one-half of the increase in the preceding intercensal period; it is less than any corresponding figure since 1811; and, proportionately, it is far lower than any hitherto recorded. The fall in the birth-rate during 1915-1918 was much heavier than anything previously experienced, the numbers being from 20 to 25 per cent. below normal. The deaths, on the other hand, including the deaths of non-civilians registered in this country, showed no such decline up to and including 1918. Since 1918 a reduction has been recorded which, with an increase of births, combined to produce in 1920 a natural increase considerably greater than that of any previous year. The Registrar-General's complete report will be awaited in the hope that, in an increasing measure, we may be helped to grasp the real significance of some at least of his comparisons.

Confectioners' Exhibition.—The twenty-fifth Confectioners' and Bakers' Exhibition will be opened at the Royal Agricultural Hall, Islington, London, N., on September 3.

Drug Index Number

UGUST has again shown a decline in prices; not one crease is recorded. For the first time there appears n article below the 1913 figure—pot. brom., with an index f 95—and ung. zinci stands at 100. The changes are in ext. casc. sag. liq., ext. ergot. liq., ferri amm. cit., hexamina, inf. gent. co. conc., lin. camph., phenacetinum, phenazonum, pot. brom., sp. chlorof., syr. ferri phos. co., syr. Eastonii, ung. ac. boric., and ung. zinci. Dressings also show a decline, in bandages, lint, and boric lint.

Drugs, Chemicals, and Galenicals

C=cost; I=index.	1913		Aug. 1921		July 1921		June 1921		May 1921		April 1921		Mar. 1921		Feb. 1921	
	Qty.	C.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.
Ac. acetylsal.	2 lb.	88	176	*200*	176	*200*	176	*200*	176	*200*	144	*164*	160	*182*	176	*200*
Bismuth. carb.	3 lb.	308	553	*166*	513	*166*	513	*166*	513	*166*	513	*166*	513	*166*	630	*204*
Conf. sennæ	4 lb.	64	128	*200*	128	*200*	136	*212*	136	*212*	144	*225*	144	*225*	144	*225*
Ext. casc. sag. liq. ...	6 lb	88	210	*238*	232	*264*	232	*264*	232	*264*	232	*264*	232	*264*	232	*264*
„ cinch. liq.... ...	1 lb.	54	117	*216*	117	*216*	117	*216*	117	*216*	117	*216*	117	*216*	164	*303*
„ ergot. liq. ...	2 lb.	198	278	*140*	300	*151*	300	*151*	300	*151*	344	*173*	344	*173*	428	*216*
Ferr. amm. cit. ...	3 lb.	57	171	*300*	180	*315*	180	*315*	192	*337*	192	*337*	192	*337*	204	*358*
Hexamina	4 oz.	15	38	*253*	44	*293*	42	*280*	48	*320*	48	*320*	48	*320*	48	*320*
Inf. gent. co. conc. ...	12 lb.	204	324	*158*	336	*164*	336	*164*	366	*164*	336	*164*	336	*164*	336	*164*
Lin. camph.	5 lb.	90	152	*169*	170	*188*	170	*188*	170	*188*	178	*198*	178	*198*	190	*211*
„ camph. amm. m. ...	8 lb.	144	252	*175*	252	*175*	252	*175*	252	*175*	252	*175*	252	*175*	292	*202*
„ sapo. meth. ...	10 lb.	120	215	*179*	215	*179*	245	*204*	245	*204*	245	*204*	245	*204*	245	*204*
„ terebinth.	6 lb.	108	139	*128*	139	*128*	141	*130*	120	*111*	120	*111*	141	*130*	150	*139*
Mag. carb. levis ...	2 lb.	22	28	*128*	28	*128*	28	*128*	28	*128*	28	*128*	28	*128*	28	*128*
„ sulph.	14 lb.	14	66	*471*	66	*471*	66	*471*	66	*471*	66	*471*	66	*471*	66	*471*
Ol. morrhuæ	10 lb.	80	100	*125*	100	*125*	114	*142*	114	*142*	115	*144*	140	*175*	185	*231*
Phenacetin.	4 oz.	18	46	*255*	48	*271*	56	*311*	60	*333*	60	*333*	60	*333*	64	*355*
Phenazonum	4 oz.	24	50	*208*	60	*250*	64	*266*	64	*266*	60	*250*	60	*250*	64	*266*
Potas. brom.	4 lb.	88	84	*95*	92	*104*	92	*104*	92	*104*	96	*109*	96	*109*	96	*109*
„ iod.	2 lb.	298	456	*153*	456	*153*	456	*153*	456	*153*	456	*153*	456	*153*	480	*161*
Quin. sulph.	4 oz.	80	224	*280*	224	*280*	224	*280*	224	*280*	224	*280*	224	*280*	224	*280*
Resorcin.	1 oz.	5	14	*280*	14	*280*	16	*320*	16	*320*	16	*320*	16	*320*	17	*340*
Sodii benz.	3 oz.	13	15	*115*	15	*115*	13·5	*104*	13·5	*104*	15	*115*	15	*115*	15	*115*
„ salicyl.	4 lb.	132	240	*181*	240	*181*	240	*181*	240	*181*	228	*172*	228	*172*	228	*172*
Sp. chlorof.	2 lb.	96	114	*118*	127	*132*	127	*132*	127	*132*	127	*132*	127	*132*	143	*149*
Syr. ferr. ph. co. ...	4 lb.	36	80	*222*	84	*233*	84	*233*	84	*233*	84	*233*	84	*233*	84	*233*
„ Eastonii	3 lb.	54	105	*200*	123	*227*	123	*227*	123	*227*	123	*227*	123	*227*	123	*227*
Tr. chlor. et morph. '85	2 lb.	80	115	*143*	115	*143*	120	*150*	120	*150*	120	*150*	120	*150*	115	*143*
Ung. ac. borici	7 lb.	77	154	*200*	175	*227*	182	*236*	182	*236*	182	*236*	196	*254*	196	*254*
„ zinci	4 lb.	88	88	*100*	100	*113*	108	*123*	108	*123*	108	*123*	120	*136*	120	*136*
***Index Number ...**	**100**		**193·2** (322·5)		**200·4** (341·4)		**207·5** (362·7)		**209·7** (344·6)		**212·8** (345·8)		**215·8** (336·4)		**226·0** (324·3)	

Surgical Dressings

—	1913		Aug. 1921		July 1921		June 1921		May 1921		April 1921		Mar. 1921		Feb. 1921	
	Qty.	C.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.
Bandages	144	1·44	260	*180*	316·8	*220*	316·8	*220*	316·8	*220*	316·8	*220*	316·8	*220*	316·8	*220*
Gauze ...	72 yd.	72	230·4	*320*	230·4	*320*	230·4	*320*	242·0	*336*	242·0	*336*	219·6	*305*	219·6	*305*
Lint ...	28 lb.	460	1008	*219*	1064	*231*	1064	*231*	1190·0	*239*	1190·0	*239*	1190·0	*239*	1190·0	239
„ boric	56 lb.	624	1456	*233*	1568	*251*	1568	*251*	1652·0	*264*	1668·0	*267*	1668·0	*267*	1668·0	*267*
Cotton wool	84 lb.	756	1512	*200*	1512	*200*	1512	*200*	1680·0	*222*	1680·0	*222*	1680·0	*222*	1680·0	*222*
***Index Number**	**100**		**230·6** (445·2)		**244·4** (415·2)		**244·4** (408·2)		**256·2** (402·4)		**256·8** (400·4)		**250·6** (405·8)		**250·6** (357·6)	

* *Numbers for 12 months previously in parentheses.*

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Dangerous Drugs Act

Isle of Man Regulations

From the London Gazette, August 16

DANGEROUS DRUGS ACT, 1920
(10 & 11 GEO. 5, CH. 46)

Notice is hereby given, under the Rules Publication Act, 1893, that it is proposed by the Secretary of State for the Home Department, after the expiration of at least forty days from this date, in pursuance of the powers conferred upon him by the Dangerous Drugs Act, 1920 (10 & 11 Geo. 5, ch. 46), to issue a Regulation under Sections 3 and 7 of the above-named Act, relating to the supplying or procuring of any of the drugs to which that Act applies to or for persons in the Isle of Man.

Draft copies of the said Regulation can be obtained on application to the Under Secretary of State, Home Office, Whitehall, S.W. 1.

PROVISIONAL REGULATION MADE BY THE SECRETARY OF STATE

I hereby certify, in pursuance of Section 2 of the Rules Publication Act, 1893, that, on account of urgency, the following Regulation should come into immediate operation, and in pursuance of the powers conferred on me by the Dangerous Drugs Act, 1920, I hereby make the following Regulation to come into operation forthwith as a provisional Regulation:

No person shall supply or procure, or offer to supply or procure, any of the drugs to which the said Act applies to or for any person in the Isle of Man, except to or for a person licensed for the purpose by the Lieutenant-Governor of the Island, nor to or for any person so licensed except in accordance with the terms and conditions of such licence.

E. SHORTT,
One of His Majesty's Principal Secretaries of State.
Home Office, Whitehall, August 12, 1921.

New Authorisations

A number of authorisations and regulations were issued last week by the Home Office dealing with the administration of the Dangerous Drugs Act (*C. & D.*, August 21, p. 45). The text of the authorisations (which are revocable at any time) is as follows:

SUPPLY OF COCAINE LOCAL ANÆSTHETIC

In pursuance of the Dangerous Drugs Act, 1920, I hereby grant to all persons who are *bona fide* engaged in practising dentistry, and were so engaged on July 28, 1916, but are not registered under the Dentists Act, 1878, authority to purchase preparations containing not more than 1 per cent. of cocaine, adapted for use as local anæsthetics in connection with such work, subject to the condition that the preparations are used as local anæsthetics in connection with dental work and for no other purpose.

COCAINE EYE-DROPS FOR FACTORIES

In pursuance of the Dangerous Drugs Act, 1920, I hereby grant to the occupier of a factory or workshop to which the Factory and Workshop Act, 1901, applies, an authority to purchase, for the purpose of giving first-aid treatment in cases of injury to the eye occurring at the works, a preparation consisting of an admixture of cocaine in castor oil with mercuric chloride in a proportion of not more than one part in 200 of cocaine and not less than one part in 3,000 of mercuric chloride, and on the conditions that the preparation is used for this purpose and no other, and that it is kept in the custody of the occupier or a responsible official nominated in writing by the occupier, which nomination shall be kept at the works and shall be available for inspection.

CERTIFIED MIDWIVES AND OPIUM PREPARATIONS

In pursuance of the Dangerous Drugs Act, 1920, I hereby grant to certified midwives who have in accordance with the provisions of the Midwives Act, 1902, notified to the local supervising authority their intention to practise, an authority to be in possession of and to administer preparations containing opium so far as is necessary for the practice of their profession or employment in such capacity, subject to the condition that they shall forthwith enter in a book to be kept for the sole purpose particulars of all supplies obtained, including the date, quantity, and name and address of person from whom obtained.

SKIPPERS MAY POSSESS NARCOTICS

In pursuance of the Dangerous Drugs Act, 1920, I hereby grant to the skipper of every British fishing vessel for the time being entered in the Fishing Boats Register, other than vessels exclusively employed in fishing on the coasts of the United Kingdom, authority to be in possession of the following drugs—

Tinctura chloroformi et morphinæ composita,
Tinctura opii,

under the conditions and in the quantities recommended by the Board of Trade for such vessels (Board of Trade Handbill, No. 298, January 1912), and to administer and supply the drugs to any member of the crew in accordance with instructions contained in the "Ship Captain's Medical Guide" issued by the Board of Trade, provided that the keeping of a record of the use of the drugs in the official log of the vessel shall be deemed to be compliance with the requirements of the Regulations made under the said Act as to the keeping of records.

LABORATORIES WHICH MAY POSSESS THE DRUGS

In pursuance of the Dangerous Drugs Act, 1920, I hereby approve the institutions named in the Schedule annexed hereto for the purpose of the provision in No. 5 of the Regulations made under Section 3 and in No. 11 of the Regulations made under Section 7 of the Act, which authorises any person in charge of a laboratory for purposes of research or instruction attached to an institution approved by the Secretary of State to be in possession of the drugs to which the Act applies. This approval may be revoked at any time by the Secretary of State either generally or in respect of any particular institution included in the Schedule.

Schedule

All Universities of Great Britain and Ireland;
All University Colleges of Great Britain and Ireland;
All Medical Schools recognised by any of the licensing bodies specified in Schedule A of the Medical Act, 1858, as amended by any subsequent Act;
The National Institute of Medical Research;
The School of Pharmacy of the Pharmaceutical Society of Great Britain;
The Royal College of Science for Ireland, Dublin.

FARMERS' PERMITS FOR LAUDANUM

In pursuance of the Dangerous Drugs Act, 1920, I hereby grant to farmers and stockowners who have obtained a certificate for the purpose in the form annexed from the Chief Officer of Police for the area in which they carry on business, an authority to be in possession of tincture of opium (laudanum) for use solely in the treatment of animals, subject to the conditions specified in the certificate and to the requirements of the Regulations made under the said Act.

Certificate Authorising Farmers and Stockowners to Purchase Tincture of Opium (Laudanum) for Administration to Animals.

*I hereby Certify that**.....
of .....
.....

* Insert full name and address.

is a person carrying on the business of a farmer or stockowner, and is authorised in pursuance of the Order of the Secretary of State of the 13th August, 1921, to be in possession of Tincture of Opium B.P. (Laudanum), subject to the following conditions:

(*a*) He shall not have in his possession at any one time more than 32 oz.

(*b*) He may only purchase from the person named on the back hereof.

(c) He must produce this certificate on the occasion of each purchase to the person supplying him, and the person supplying must enter on the back of the certificate, at the time of purchase, the date of purchase and the quantity purchased, and attach his signature thereto.

(d) The Tincture of Opium shall be kept by him or his responsible manager under lock and key, and shall only be issued to responsible persons in his employment, and only for the purpose of administration to animals. Each bottle or vessel containing the Tincture shall be labelled with the words "For administration to animals only."

(e) He must produce this certificate for inspection when required by any constable or by any person authorised for the purpose by the Secretary of State, and must furnish the Secretary of State with such particulars of his purchases as may be required.

(f) This certificate is valid only for the person and in respect of the address which is named herein. If he ceases to carry on business at the address named he must return the certificate immediately to the Chief Constable, and if a certificate is desired in respect of another address, must make application to him for such certificate.

(g) This certificate shall continue in force until revoked by the Chief Constable or by the Secretary of State, and on revocation shall be surrendered to the Chief Constable.

Signed on behalf of the Chief Constable,

.....

..... Rank.

..... Police Force.

Date .....

Name and address of person from whom the holder intends to purchase

Tincture of Opium.

(To be filled in by the holder.)

Name (in full) .....

Address .....

.....

If the holder desires to change the chemist from whom he purchases he must surrender this certificate to the Chief Constable, that a new one may be issued in its stead.

To be filled in by the supplier on the occasion of any purchase by the holder.

Date of Purchase	Quantity Purchased	Signature of Supplier

When this certificate is filled up the holder should return it to the local police officer and make application for a new one.

Hospital Regulations

In pursuance of the Regulations made under Section 7 of the Dangerous Drugs Act, 1920, I hereby exempt from the operation of these Regulations any hospital or infirmary, asylum, Poor-law institution or sanatorium supported by any public authority or out of any public funds or by a charity or voluntary subscriptions, in which the drugs are dispensed by a duly qualified medical practitioner or by a fully qualified pharmacist or (in the case of a Poor-law institution) by a dispenser holding the qualifications recognised by the Minister of Health, whose appointment as dispenser has been approved by the Minister, if and so long as the conditions in Schedule I. of this Order are complied with :

And I also exempt from the operation of the Regulations any hospital or infirmary, asylum, Poor-law institution or sanatorium supported as aforesaid to which the foregoing provision does not apply, to the extent indicated in, and subject to compliance with, the conditions in Schedule II. of this Order.

Provided that either of the foregoing exemptions may be revoked at any time by the Secretary of State either generally or in respect of a particular hospital or infirmary, asylum, Poor-law institution or sanatorium.

Provided also that any hospital or infirmary, asylum, Poor-law institution or sanatorium exempted under the foregoing provisions may be inspected in respect of the observance of the said conditions at any time by any person authorised by the Secretary of State for the purpose.

Schedule I

1. All orders for supplies of the drugs to which the Regulations apply shall be signed by one of the medical practitioners attached to the hospital or other institution, or, if the dispenser is a fully qualified pharmacist, by the dispenser.

2. All supplies of the drugs to which the Regulations apply shall be received by, and kept in the charge of, the person responsible for dispensing medicines. He shall enter in the drug ledger a record of all supplies received containing the particulars specified in Schedule I. Part (a) of the Regulations. A separate record shall be kept in respect of each of the drugs.

3. Any such drug, or any medicine containing any such drug, shall only be dispensed for the use of an individual patient on and in accordance with the prescription of the medical practitioner in charge of the patient. The prescription (which may be given on the patient's bed-card or case-sheet) shall be in writing and shall be dated and signed or initialled by the doctor and shall state either the name of the patient or the number of the case. A fresh prescription must be given on each occasion on which a fresh supply of the drug or medicine is required to be dispensed.

4. The person responsible for dispensing the drugs shall at the time of dispensing any prescription, stamp or otherwise mark the prescription in such a way as to indicate that the prescription has been dispensed, and he shall keep a record of all cases in which any of the drugs have been dispensed, giving the date, and name of the doctor prescribing and the name of the patient or the number of the case. A separate record shall be kept in respect of each of the drugs.

5. All prescriptions shall be kept for at least two years.

6. Stock preparations of the drugs required to be kept in the wards or in the out-patient department shall only be supplied by the dispensary on the written requisition of the sister in charge of the ward, or out-patient department, and shall be kept by her under lock and key, and shall only be used by her in accordance with the directions of one of the medical practitioners in charge of the patients.

7. A requisition shall be marked in the dispensary to show that it has been complied with, and shall be filed in the dispensary, and a copy or note of the requisition shall be kept by the sister in charge.

8. Adequate precautions shall be taken to prevent any theft of the drugs while being conveyed from the dispensary to the wards or out-patient department.

9. Particular preparations of any of the drugs may be prescribed by reference to any conventional name by which they are known in the hospital.

Schedule II

1. All supplies of the drugs to which the Regulations apply shall be obtained by, or on the written order of, one of the medical practitioners attached to or attending the hospital, who shall certify that the supply is necessary for the treatment of the patients in the hospital.

2. All supplies will be received by the matron or acting matron of the hospital, and shall be kept by her in a locked cupboard of which she alone shall have the key. She shall enter in the drug ledger a record of all supplies received containing the particulars specified in Schedule I., Part (a) of the Regulations. A separate record shall be kept in respect of each of the drugs.

3. The matron or acting matron shall only use or administer the drugs in accordance with the directions of the medical practitioners attached to or attending the hospital.

4. In the application of this Schedule to a poor-house hospital or sick ward in Scotland, the matron shall mean the lady superintendent of nurses, if there is one; or, if not, shall mean the matron if a trained nurse, and otherwise the senior nurse or nurse in charge.

5. Except in so far as they are modified by the foregoing provisions, the requirements of the Regulations shall be observed.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, August 25

CHANGES in value among the drugs have been comparatively unimportant during the week, but business continues fairly active. Interest in Far Eastern produce is generally well sustained, farina being higher and agar-agar firm. Egg products are cheaper, and camphor has an easier tendency, spot and forward; menthol is cheaper, both on the spot and to arrive. A slight decline is noticeable in orris root, American podophyllum, sassafras bark of root, and squill. Platinum is firmer. English makers have reduced the price of castor oil by 4*l.* a ton. Ground-nut and rape oils are lower. Zanzibar cloves are again easier, and peppers are easier. Seeds are quieter this week; canary and Dutch caraway are easier; coriander is firm and cumin seed is dearer. The other articles will be found under their respective headings.

Higher	Firmer	Easier	Lower
Caraway seed (Moroc.)	Atropine sulphate	Acetanilide	Benzonaphthol
Cassia oil	Benzoic acid	Anise. star, oil	Castor oil
Citronella oil	Bergamot oil	Arsenic	Cocoa butter
Farina	Cumin seed	Barium chloride	Gingergrass oil
Geranium oil (Bourb.)	Methyl salicylate	Camphor	Ground-nut oil
Lemon oil	Mustard seed	Canary seed	Guaiacol carbonate
Lemon grass oil	Phenacetin	Caraway seed (Dutch)	Isinglass
Orange oil	Platinum	Coconut oil	Lavender oil
Palm oil	Salicylates	Creosote carbonate	Linseed
Tallow	Thymol	Egg products	Podophyllum root
Wood oil		Fish oils	Pyrogallic acid
		Hemp seed	Rape oil
		Lead acetate	Salol
		Magnesium	Sassafras bark
		Menthol	Sodium benzoate
		Mercury	Sodium bicarb.
		Orris root	Sodium chlorate
		Oxalic acid	Sodium hyposul.
		Peppers	Squill
		Serpentary	Turpentine
		Sodium prussiate	
		Soya-bean oil	
		Wax, vegetable	

Cablegram

NEW YORK, August 23.—Business is fair. Senega is 7c. per lb. dearer at 72c. Wintergreen oil is lower at $5.50 per lb., and sweet birch oil at $2.75. Hydrastis (golden seal) is lower at $3.75 per lb., and burdock root at 10c. per lb. Mercury is $1 cheaper at $44.00 per flask. Chloral hydrate is lower at 75c.

Crude Drugs, etc.

AGAR-AGAR is steady on the spot at 3*s.* per lb. for No. 1 Kobe and 2*s.* 9*d.* c.i.f. to come forward; No. 2 is quoted 2*s.* 9*d.* spot and 2*s.* 7½*d.* c.i.f.

ALBUMEN is unchanged on the spot at 3*s.* per lb., and August-September shipment 2*s.* 10½*d.* c.i.f.

ANTIMONY.—The market in America is not so firm with better supplies. English refined is dull, but producers retain their terms as before. Foreign regulus for delivery ex warehouse is called 25*l.*, and c.i.f. terms for parcels afloat are 24*l.* 10*s.* Chinese crude is variously quoted from 16*l.* 10*s.* up to 18*l.* c.i.f. U.K.

ASAFETIDA is in better supply, and spot value ranges from 10*l.* to 15*l.* per cwt., according to quality.

BUCHU.—The exports from the Union of South Africa during May amounted to 15,292 lb. (2,806*l.*), against 24,783 lb. (11,147*l.*) for May 1920. For the five months ended May 31 the figures were 52,683 lb. (9,292*l.*), against 72,519 lb. (30,683*l.*) for the corresponding period last year.

CAMPHOR (REFINED) is in fair demand and easier at 4*s.* 1½*d.* to 4*s.* 2*d.* per lb. spot for 2½-lb. slabs Japanese. Chinese is about steady at 4*s.* 1*d.*, and for goods afloat 3*s.* 10½*d.* would probably buy. To come forward, September shipment is quoted easier at 3*s.* 9*d.* to 3*s.* 10*d.* c.i.f.

The exports from Japan during May amounted to 557 kin valued at 109,521 yen. During the five months ended May 31 they were as follows:

To	1919 Kin	1920 Kin	1921 Kin
British India	137	2,718	654
Great Britain	426	637	343
France	488	170	132
United States	7,405	1,383	671
Australia	16	110	216
Other Countries	401	486	298
Kin	8,873	5,504	2,314
Yen	2,406,746	3,058,431	497,624

CASCARA SAGRADA.—New bark is being offered at 60*s.* to 70*s.* per cwt. c.i.f. On the spot two- to three-year-old bark is offered at about 80*s.* to 82*s.* 6*d.* per cwt., which is slightly easier.

COCOA BUTTER is lower at 1*s.* 10*d.* to 2*s.* per lb. in ton lots for prime English, ex works.

COD-LIVER OIL is unchanged at 85*s.* to 90*s.* per barrel c.i.f. London, prompt shipment.

EGG PRODUCTS are slightly easier, hen, liquid yolk, prime Chinese being offered at 127*s.* 6*d.* per cwt., and buyers of August-September shipment at 95*s.* c.i.f. Native dried whole is 5*d.* spot, and sprayed, whole egg, is 9*d.* Dried yolk is unchanged at 4*d.*

ERGOT is fairly steady at from 6*s.* 9*d.* to 7*s.* per lb. for spot. To come forward 6*s.* c.i.f. is about the quotation, but offers of parcels from the Baltic have had a disturbing influence on the market.

FARINA.—Japanese is dearer at 31*s.* per cwt. for August-September shipment. There are sellers on the spot and to come forward of Dutch at 27*s.* to 27*s.* 6*d.*

HYDRASTIS is steady on the spot at about 26*s.* per lb.

ISINGLASS.—At auction 595 packages offered, for which there was only a moderate demand. Brazilian was very firm; Maranham 1*s.* to 2*s.* cheaper. Saigon and Penang were also 1*s.* to 2*s.* lower. East Indian was much cheaper. Kurachee leaf was 1*s.* lower. Maracaibo was steady.

JUNIPER BERRIES.—Fair Italian are about steady, the price to come forward being 21*s.* per cwt. c.i.f.

MAGNESIUM.—Demand continues slow, and under keen Continental competition home makers have made fresh concessions down to about 4*s.* 6*d.* per lb., which compares with 3*s.* 9*d.* to 4*s.* for parcels drawn from Germany.

MENTHOL is easier on the spot for Kobayashi-Suzuki at 23*s.* per lb., paid and sellers. Business has been done at 19*s.* 3*d.* c.i.f. to come forward, at which there are sellers.

MERCURY.—There is not much demand, and the market has shown a declining tendency, while the stocks awaiting disposal are understood to be well above the normal. Export business with the Far East and the British Colonies generally continues light, and it is not improbable that the leading importers may proceed with further concessions. The nearest quotation at the moment is 10*l.* 10*s.* per bottle, although purchases can probably be made at less.

OPIUM.—Good Turkey druggists' is quoted about 9*s.* 3*d.* to 9*s.* 6*d.* per lb.

SMYRNA.—August 13.—Since our last report of July 16 the sales of opium on our market amount to 74 cases (about 11,840 lb.), at 8*s.* 6*d.* to 10*s.* for old and new lower grade manufacturing descriptions and 10*s.* 6*d.* to 12*s.* for soft Yerlis. The exchange has not varied much since our last circular, and to-day we quote 552 piasters per pound sterling for cheque on London, and 0.68 dollar for one Turkish pound (Ps.100). The arrivals are 120 cases, against 138 at same date last year, and our stock in first and second hands is now 1,178 cases.

ORRIS.—Fair Florentine, sorts, is a shade easier at 44*s.* to 45*s.* per cwt. c.i.f. and Verona at 35*s.* to 36*s.*

PLATINUM has been firmer, with an increased demand, under the influence of reports that operations in Russia

are much hampered and that no important supplies can be looked from that quarter for some time. Advices from Germany state that efforts are being made to exploit certain deposits in Prussia, which, however, presents considerable difficulty. The price here of raw metal stands at 17*l.* per oz.

PODOPHYLLUM ROOT.—American is easier on the spot at 95*s.* to 100*s.* per cwt. To come forward could probably be done at 85*s.* c.i.f.

SASSAFRAS BARK OF ROOT is cheaper on the spot at 2*s.* 9*d.* to 3*s.* per lb. as to quantity. To come forward the price quoted is 2*s.* c.i.f.

SENEGA.—For the small spot lots at present on offer 3*s.* 9*d.* per lb. is about the quotation.

SERPENTARY on the spot is easier at about 6*s.* 6*d.* per lb. in one direction.

SHELLAC has advanced a shade on the spot with 290*s.* per cwt. quoted for standard quality TN Orange; AC cakey Garnet is unchanged at 285*s.* Futures, however, are easier for TN Orange with August-October sellers at 275*s.* c.i.f.

SQUILL.—For first quality the price to come forward is 24*s.* per cwt. c.i.f., being lower.

TURPENTINE.—Trading has been dull, with a drooping tendency in values, dealers being simply waiting for developments while better supplies are available. Spot closed lower at 64*s.* per cwt.

WAX (VEGETABLE).—Japanese is easier again on the spot, with sellers at 100*s.* per cwt., and to come forward 95*s.* c.i.f., August-September shipment.

The exports from Japan during May amounted to 1,056 kin, valued at 33,479 yen. During the five months ended May 31 they were as follows:

	1919	1920	1921
Kin	5,172	3,586	6,356
Yen	171,432	194,627	225,236

Seeds and Spices

ANISE is unchanged at 75*s.* per cwt. for Russian and 76*s.* 6*d.* to 78*s.* for Spanish.

CANARY SEED is quiet and easier as follows: Larache, spot 105*s.* to 110*s.* per quarter, to arrive 95*s.* c.i.f.; Mazagan, spot 125*s.*, c.i.f. 115*s.*; Casablanca and Saffi (good), 120*s.* spot; River Plate, 92*s.* 6*d.* spot.

CARAWAY SEED is a shade easier for Dutch at 31*s.* per cwt., and Morocco is higher at 25*s.*

CASSIA LIGNEA is steady, with sellers of whole selected at 35*s.* per cwt. and broken at 25*s.*

CLOVES.—Zanzibar is quiet and cheaper on the spot at 1*s.* 1½*d.* to 1*s.* 2*d.* per lb., and to come forward 1*s.* c.i.f. has been paid for August-September shipment.

CORIANDER SEED is firm at 28*s.* per cwt. for sound Moroccan; slightly wormy, 23*s.* 6*d.* to 28*s.*, as to quality.

CUMIN SEED is firmer at 65*s.* per cwt. for Moroccan on spot, and to arrive new crop is unchanged at 43*s.* c.i.f.

FENUGREEK SEED is unchanged at 14*s.* per cwt. for Moroccan on spot, and 12*l.* 12*s.* 6*d.* per ton c.i.f.

GINGER is firm. Jamaica medium bold sound is obtainable at 170*s.* to 175*s.* per cwt. African is quoted at about 32*s.* 6*d.* and Japanese at about 45*s.*

HEMP SEED is easier at 23*s.* per cwt. for Manchurian.

LINSEED is lower at 26*s.* per cwt. for spot Moroccan. Ex Bombay or Calcutta to London is lower at 21*s.* 9*d.* For River Plate 20*s.* has been paid for afloat. Hull spot is 20*s.* 3*d.* for River Plate. To Hull for July-August shipment 19*s.* 9*d.* has been paid.

MACE is quiet, fair Singapore offering at 1*s.* 2*d.* to 1*s.* 3*d.*, ordinary 1*s.*, and pickings 8*d.* to 10*d.* per lb.

MUSTARD SEED is firmer at 38*s.* for English.

PEPPERS are easier. Black Singapore on the spot sold at 4⅜*d.* and sellers; August-October and September-November shipment sold at 4¼*d.* c.i.f. Lampong on the spot, sellers at 5¼*d.* Fair Tellicherry on the spot at 5¼*d.*, sellers, and Aleppy 4¾*d.* White Muntok on the spot, 9½*d.* sellers; August-October and September-November sold at 8⅞*d.* c.i.f. White Singapore on the spot, 9¼*d.* sellers, and for shipment September-November, 8¾*d.* c.i.f.

Essential Oils

WHILE the demand is not quite so good as it was last week, a fair amount of business is passing in several articles. Star anise oil, which found buyers at higher prices, has declined slightly. Gingergrass is dull and lower. Lavender oil has been further reduced. Sicilian oils are again dearer, and holders seem to anticipate better prices following higher quotations from the source. Cassia oil is dearer, and Ceylon citronella has advanced sharply, owing probably to spot supplies being small. Cochin lemongrass has advanced, and Bourbon geranium appears steady at higher prices.

ANISE (STAR).—"Red ship" on the spot is again easier, with sellers at 2*s.* 3½*d.* per lb., after 2*s.* 4½*d.* had been paid. To come forward is also cheaper at from 2*s.* 2*d.* to 2*s.* 2½*d.* c.i.f.

BAY.—West Indian is fairly steady on the spot at from 14*s.* to 15*s.* 6*d.* per lb., according to percentage.

BERGAMOT is firm on the spot at from 24*s.* 6*d.* to 25*s.* per lb., with very little offering. To come forward the prices are tending still higher at from 26*s.* to 28*s.* c.i.f.

CAMPHOR.—Japanese white, essential, is scarce, but prices are unchanged at 120*s.* per cwt. in large drums. To come forward ex Continent 115*s.* c.i.f. in large drums is quoted.

CASSIA is higher for 80 to 85 per cent. c.a. at 4*s.* 9*d.* per lb. spot, and to come forward at 4*s.* 1*d.* to 4*s.* 3*d.* c.i.f. August-September shipment. Afloat is offered at 4*s.* 2½*d.*

CINNAMON.—Ceylon leaf is dearer, with considerable irregularity on spot; the average figure is probably about 4½*d.* to 5*d.* per oz., but quotations have been made both above and below this. To come forward the price is about 4¼*d.* c.i.f. September shipment.

CITRONELLA.—Ceylon is dearer on spot at 1*s.* 5½*d.* to 1*s.* 6*d.* per lb., sellers, after business was done at 1*s.* 5¼*d.* To come forward up to 1*s.* 4¾*d.* c.i.f. is quoted. Java is quoted about 2*s.* 9*d.* per lb. The exports from Java for January 1 to March 31 amounted to 41,852 kilos., against 189,527 kilos. at the corresponding period last year.

CLOVE is substantially unchanged at 9*s.* 6*d.* per lb. from distillers, second-hands quoting 8*s.* 3*d.* to 8*s.* 6*d.*

GERANIUM.—There appears to be little on spot or even at Continental harbours, the bulk being still at Réunion in the hands of the growers, who are waiting for better prices. Spot price is about 15*s.* to 15*s.* 6*d.* Algerian is nominal about 22*s.* per lb.

GINGERGRASS is lower at from 11*s.* to 11*s.* 6*d.* per lb. for the "insoluble" in pots.

LAVENDER.—French oil (testing 38 to 40 per cent. ester) is lower on the spot at about 19*s.* 6*d.* to 20*s.* per lb. first-hands. To come forward good-quality oil (35 to 38 per cent.) is offering at 17*s.* 6*d.* c.i.f.

LEMON.—Holders are not now quoting less than 3*s.* 6*d.* to 4*s.* per lb. To come forward the price is still irregular at from 3*s.* 3*d.* to 4*s.* 6*d.* c.i.f.

LEMONGRASS.—Cochin on the spot is dearer, and up to 4¼*d.* per oz. has been quoted, and to come forward at 3 9/16*d.* c.i.f. August-October shipment. Business is again quieter, however, and sales could probably be made a shade under 4*d.*

LIME.—Hand-pressed is obtainable at from 19*s.* to 21*s.* 6*d.* per lb. for spot and distilled at 2*s.* 9*d.*

MINT.—Japanese dementholised is steady at 4*s.* 9*d.* per lb. spot, and to come forward August-September shipment 4*s.* 7½*d.* c.i.f.

ORANGE.—Some holders of Sicilian sweet appear not to be quoting, but there is evidently very little available, and from 14*s.* 6*d.* to 18*s.* per lb. is variously given as the value. To come forward from 16*s.* to 17*s.* c.i.f. is mentioned. West Indian sweet is offered at from 14*s.* to 15*s.* per lb. as to seller.

PEPPERMINT.—More interest is apparently being shown in new-crop oil, now almost ready for shipment, but, owing to the low quotations which are being made at below the New York parity, buyers are inclined to hold off. A diversity of opinion seems to prevail regarding the yield of the new crop, but some hold that, allowing for a plentiful yield of oil from a good crop, the bottom price has already been reached. On the spot 12*s.* 6*d.* to 13*s.*

per lb. is about the value as to brand, and from 12*s.* to 12*s.* 6*d.* c.i.f., prompt shipment.

SANDALWOOD.—Keen competition seems to prevail for B.P. oil, and prices are irregular on the spot. It is possible, however, to obtain good-quality oil (92 to 94 per cent. santalol, not Mysore Government) at 35*s.* per lb. for spot. The fixed price of the Mysore Government oil is 37*s.* 6*d.* in 5-case lots, which is unchanged.

SPIKE.—Spanish continues to meet with fair demand at about 4*s.* per lb. spot.

Fixed Oils, etc.

During the week there have been a number of fluctuations, and values seem to continue at the close unsteady generally. Castor oil is quoted cheaper. At the weekly auction of tallow only 900 out of 1,600 casks offered were sold. Coconut, cottonseed, groundnut, and rape oils have all been dull. Palm oil has been fairly active. Linseed oil is still unsteady, values altering from day to day. Wood oil is dearer owing to lack of supplies. *Prices below are per cwt., except where otherwise stated.* ACID OILS.—Coconut remains in short supply and is firm at 47*s.* Palm kernel nominal; none offering. Groundnut, according to colour, is quoted at the close at 28*s.* to 32*s.*; pale grade is scarce. CASTOR OIL has been reduced by 4*l.* per ton, with pharmaceutical quoted ex mills Hull at 60*s.*; first pressings, 55*s.*; second pressings, 45*s.* COCONUT.—Deodorised is slightly easier at 67*s.*, while Ceylon at 56*s.* and Cochin at 70*s.* are about the same. COTTONSEED.—All grades are slightly cheaper this week, and the market closes dull. Deodorised 57*s.*, common edible 49*s.*, soapmaking 48*s.*, crude 42*s.* FISH OILS.—The market has been slack, and closing prices were, Japanese in cases 23*s.*, and coast cod 24*s.*; the latter is easier. GROUNDNUT OIL is cheaper, but demand is poor. Deodorised is quoted at 60*s.*, and crude Oriental 50*s.* LINSEED.—The position is somewhat unsettled after the recent sharp fluctuations, but the market seems past the worst, although buying has been more cautious on home account. Export requirements are less than they have been for months past, but it is possible that good quantities may yet find their way to the United States, while the North American crops are now expected to turn out less than last season. Developments in seed are uncertain for the same reason, but an important factor is that the bulk of the Argentine crop has already been shipped, while it is rumoured that the balance may be taken up by a Continental syndicate. The market closed at 36*s.* 6*d.* per cwt. spot naked. September-December shipment is quoted 36*s.* 3*d.*, and January-April 37*s.* Hull spot naked closed 35*l.* 7*s.* 6*d.* ton, September-December 35*s.* 3*d.*, and January-April 36*s.* 3*d.* PALM KERNEL has been steady, and prices close firm, for deodorised 64*s.* and crude 51*s.* 6*d.* PALM has been active during the week, and prices have advanced to: Lagos 41*l.*, softs 38*l.* to 38*l.* 5*s.*, hards 33*l.*, all per ton. RAPE is again quoted lower for refined at 65*s.* and crude 56*s.* SOAP STOCK.—Groundnut is unavailable still; value nominal. SOYA-BEAN OIL has eased off, and deodorised is quoted 55*s.*, crude Oriental at 42*s.* TALLOW has been in limited demand, but prevailing prices are unchanged except for good mixed, which is showing up a shilling dearer. Australian fine mutton is quoted at 48*s.*, fine beef 50*s.*, good mixed 47*s.*, inferior 38*s.* Wood oil is dearer on the spot owing to short supplies, at 102*l.* to 104*l.* for Hankow and 72*s.* 6*d.* to 75*l.* c.i.f.

Pharmaceutical Chemicals

THE Safeguarding of Industries Bill comes into operation on October 1, and the "key" section will include many products in this market. Buyers are at present speculating as to what chemicals will be included, and some are already inclined to buy, in excess of present needs, such articles as aspirin, salicylates, bromides, etc. In due course the market is bound to feel the effects of the duty on all imports, and advanced prices are almost certain to result. One or two articles are firmer: these include benzoic acid, methyl salicylate, phenacetin, salicylates, and thymol. Acetanilide and creosote are easier. Benzonaphthol is cheaper, and the following have also declined in value: Guaiacol carbonate, pyrogallic acid, salol, and sodium benzoate.

ACETANILIDE is easier at from 1*s.* 3*d.* to 1*s.* 5*d.* per lb. spot.

ASPIRIN is unchanged at from 2*s.* 9*d.* to 3*s.* per lb.

ATROPINE SULPHATE is slightly firmer, with few offers below 21*s.* per oz.

BARBITONE is being quoted from as low as 11*s.* 6*d.* to 14*s.* 6*d.* per lb.; the quotations reflect the state of the market.

BENZOIC ACID has a firmer tendency at from 1*s.* 10½*d.* to 2*s.* per lb.

BENZONAPHTHOL has eased off considerably, and is now freely offered from 6*s.* 6*d.* to 7*s.* 6*d.* per lb.

BETANAPHTHOL.—Resublimed continues uncalled for, with good stocks offering; value nominal at 3*s.* per lb.

BROMIDES.—Potassium crystals and granular continue easy at from 8*d.* to 9*d.* per lb. Ammonium is quoted round about 11*d.* per lb. Sodium is quiet at from 9½*d.* to 10*d.* per lb.

CAFFEINE is offering on the spot at 18*s.* 6*d.* to 19*s.* per lb.

CHLORAL HYDRATE is unchanged at about 4*s.* 9*d.* per lb. for duty-paid crystals; demand is not good.

CITRIC ACID.—B.P. crystals are in limited demand, and quoted from 2*s.* 4*d.* to 2*s.* 5*d.* per lb., less 5 per cent.

CREAM OF TARTAR is unchanged at last week's figures, foreign being 127*s.* 6*d.* per cwt., less 2½ per cent.

CREOSOTE.—B.P. remains steady at 4*s.* 6*d.* to 4*s.* 9*d.* per lb., as to packing.

CREOSOTE CARBONATE is quoted at 14*s.* to 14*s.* 6*d.* per lb., which can be shaded in some directions.

GUAIACOL CARBONATE is weaker at from 13*s.* 6*d.* to 14*s.* per lb.

HEXAMINE is steadier at 4*s.* 3*d.* to 4*s.* 6*d.* per lb.

HYDROQUINONE is still offered at 4*s.* 6*d.* per lb., with limited inquiry.

METHYL SALICYLATE is a shade firmer, following improved demand at from 2*s.* 1½*d.* to 2*s.* 3*d.* per lb.

METHYL SULPHONAL.—B.P. is easier at about 19*s.* and U.S.P. at 17*s.* 6*d.* per lb.

MILK SUGAR on the spot is firm at about 125*s.* to 130*s.* per cwt. for B.P. quality, Dutch, with not much offering at the lower figure.

PARAFORMALDEHYDE is unchanged at from 3*s.* 3*d.* per lb.

PARALDEHYDE.—Spot value is about 2*s.* per lb., but some parcels have been realised at slightly under.

PHENACETIN is decidedly firmer; in most cases 5*s.* 6*d.* sellers have withdrawn, and 5*s.* 9*d.* per lb. is quoted. Other holders are quoting 6*s.* to 6*s.* 6*d.*

PHENAZONE is unchanged at 7*s.* 6*d.* per lb., which can be shaded.

POTASSIUM PERMANGANATE.—B.P. is now quoted fairly steady at 1*s.* and upwards per lb. for imported material; limited business is being done.

PYROGALLIC ACID is cheaper on the spot at 7*s.* per lb. for crystals and 8*s.* 6*d.* for resublimed for not less than cwt. lots.

QUININE.—Sulphate (Japanese) is about steady at 3*s.* 10½*d.* to 4*s.* per oz. For Hydrochloride 3*s.* 11*d.* has been paid, with sellers at 4*s.*

RESORCIN has been in better demand at 7*s.* 9*d.* per lb. for small lots, down to 7*s.* 6*d.* for quantity, with the market still dull.

SAFROL has been selling freely in quantity at 2*s.* 3*d.* per lb., at which price there are buyers. Average quotations are, however, still about 2*s.* 6*d.* for spot.

SALICYLATES are firmer, following more inquiry. Makers' price for *acid* appears to be in no case less than 1*s.* 3*d.*, and up to 1*s.* 6*d.* is mentioned. It may still be possible to shade this at second-hands. *Sodium salicylate* is firm, with an average price of 2*s.* 2*d.* to 2*s.* 3*d.* quoted.

SALOL is lower at from 2*s.* 6*d.* to 2*s.* 8*d.* per lb.

SODIUM BENZOATE is cheaper at 2*s.* per lb., which can be shaded.

SODIUM DIETHYLBARBITURATE.—B.P. continues fairly steady at about 22*s.* per lb.

TANNIC ACID.—*Leviss* remains unchanged at 4*s.* to 4*s.* 6*d.* per lb.

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THYMOL is being offered at about 22*s*. 6*d*. per lb. for good white crystals, but prices to come forward are tending firmer, owing to the higher cost of ajowan seed.

VANILLIN is firm at from 33*s*. 6*d*. to 35*s*. spot.

Heavy Chemicals

London, August 24.

PRACTICALLY without exception the call for supplies of "heavy" products is still quiet, and in some cases there is no inquiry at all. Potash and soda products, which have experienced considerable falls in value recently, are only inquired for in strictly limited lots occasionally. Sodium hyposulphite, pea crystals, is again lower. Arsenic is slightly easier. Sodium bicarbonate and chlorate are lower. Barium chloride, lead acetate, oxalic acid, and sodium prussiate are easier.

ACETIC ACID has been little inquired for during the week. The following figures may be taken as nominal: 80 per cent. technical at about 39*l*. to 40*l*. per ton, 98 per cent. glacial at 52*l*. to 53*l*.

ACETONE of British Government specification is quoted at about 85*l*. per ton, but Continental stuff is cheaper.

ARSENIC.—Dulness has become more pronounced, and prices are declining, with white Cornish powder obtainable at about 43*l*. a ton delivered London or Liverpool.

BARIUM CHLORIDE.—Imported material (98 to 100 per cent.) is offering down to 13*l*. 10*s*. per ton. British material is dearer than this.

BLANC FIXE continues steady at about 22*l*. 10*s*. per ton.

COPPER SULPHATE.—Recently some fair orders were picked up on declining account at around 31*l*. a ton for casks, less 5 per cent. f.o.b. Liverpool, but the demand has been quieter, and although some sellers still adhere to this figure, business could probably be done down to 30*l*. Makers are now able to cover themselves in the metal some few pounds a ton cheaper than a week ago, and the tone is thus easier.

COPPERAS.—Green crystals are nominal about 6*l*. per ton f.o.b.

EPSOM SALTS.—Commercial quality is weak at 8*l*. 10*s*., with lower offers from Continent. B.P. British makes about 14*l*. per ton.

FORMALDEHYDE is offering on the spot in small lots at about 92*l*. 10*s*. per ton, but there appear to be no demand.

GLAUBER'S SALT is quiet, with offers weakening at about 5*l*. to 5*l*. 10*s*. per ton in single bags f.o.b.

LEAD PRODUCTS.—The demand for white lead is restricted, and there is not much indication of an improvement, while foreign competition has been again active, this especially applying to red lead. There has been no alteration in values, although the price of the metal has fallen back about 1*l*. a ton. *Acetate* is quoted slightly cheaper, with brown, broken, at 47*l*. per ton and white crystals at 53*l*.

LIME ACETATE.—Grey and white are neglected; values nominal.

LITHARGE is quoted at about 36*l*. per ton, less 2½ per cent. for pure flake, British. Imported material remains steady with a little demand at 33*l*. 10*s*.

LITHOPONE continues to be called for, and prices are well maintained, 30 per cent. Continental red seal being firm at 26*l*. to 27*l*. per ton, light resisting at 33*l*., and green seal at 35*l*. per ton, casks free.

OXALIC ACID is inclined to weaken, and offers in some cases are being made down to 8½*d*. per lb.

POTASH CAUSTIC remains at 31*l*. from home makers; this figure also quoted for spot lots. Forward supplies from Continent are lower.

POTASSIUM BICHROMATE is quoted at 9*d*. to 9½*d*. for parcels on the spot.

POTASSIUM CARBONATE (90 to 92 per cent.) continues unchanged at 26*l*. per ton, second-hand offers about 27*l*.

POTASSIUM PERMANGANATE.—Commercial quality imported material is selling freely just under 1*s*. per lb. Home makers are slightly higher.

POTASSIUM PRUSSIATE continues unchanged at makers' prices of 1*s*. 2*d*. per lb. for yellow and 2*s*. for red.

SODA ASH (58 per cent. light alkali) is still in small demand, with limited spot supplies offering round about 8*l*. 10*s*. per ton in single bags f.o.b. Makers are quoting at 8*l*. 10*s*. for home trade and at about 10*l*. 5*s*. for export.

SODA CAUSTIC is unchanged from makers for 70 to 72 per cent. at 24*l*. 10*s*. per ton and 76 to 77 per cent. at 26*l*. 15*s*. for home trade only. American material is also offered at about same figures c.i.f. U.K. and Continent. Spot lots of 70 to 72 per cent. is now down to 22*l*. per ton in drums f.o.b., and 76 to 77 per cent. to 24*l*. or 24*l*. 10*s*. per ton f.o.b. There is practically no inquiry on the market.

SODA CRYSTALS are unchanged from makers at 7*l*. per ton in bags, ex works or station.

SODIUM BICARBONATE has fallen off in demand, and supplies are now fairly plentiful. Some spot lots are quoted down to 11*l*. per ton.

SODIUM CHLORATE has been reduced by makers to 3¾*d*. per lb., but the market is still inactive.

SODIUM HYPOSULPHITE is cheaper, but demand is quiet. Imported pea crystals in 1-cwt. kegs is offered at 21*l*. and commercial quality in casks or bags at 15*l*. per ton. Home makers are also quoting lower at 18*l*. for photographic and 14*l*. for commercial quality.

SODIUM NITRATE is unchanged at 18*l*. 10*s*. per ton for 96 per cent. refined material.

SODIUM NITRITE is dull at 40*l*. per ton for 100 per cent. material.

SODIUM PRUSSIATE is down to about 6¾*d*. per lb., but demand is still small.

SODIUM SULPHIDE is practically uncalled for, makers maintaining recent reduced price of 22*l*. per ton for 60 to 65 per cent. concentrated in casks. Spot lots of 60 to 62 per cent. solid in drums are easy at about 23*l*. 10*s*. per ton.

COAL-TAR PRODUCTS.—Business continues fairly good, and the recently improved tone is being maintained. Prices remain generally unchanged with the market steady. Aniline oil and salt is unchanged, with some business about 1*s*. 2½*d*. and 1*s*. 4*d*. per lb. respectively. Beta-naphthol is unchanged, but the market is not firm at 1*s*. 9*d*. per lb. Benzol remains steady at 2*s*. 6*d*. per gall. for pure and 2*s*. 5*d*. for 90 per cent. Burning oil is moving in limited lots at 8*d*. per gall. for No. 3 and 8½*d*. for No. 2. Creosote oil is still fairly active at 9*d*. per lb. Carbolic-acid crystals continue a weak feature, and sales are generally well below the nominal figure of 7*d*. per lb Cresylic acid is unchanged at, for crude, 1*s*. 10*d*. per gall. and pale straw 2*s*. 6*d*. Paranitraniline is easy at 6*s*. per lb. Solvent naphtha is quoted round about 2*s*. 5*d*. for 90 to 160 and 2*s*. 6*d*. per gall. for 90 to 190. Naphthaline is still in poor demand, and current quotations are: Crude, 5*l*. to 9*l*.; tablets, 40*l*.; powder, 22*l*.; crystals, 22*l*.; flakes, 23*l*. per ton.

New Zealand Kauri

A PROMINENT kauri gum merchant of Auckland stated that some 500 or 600 Dalmatians had left New Zealand within the past few months, the main reason, he believed, being that they were still classed as alien enemies, and therefore had no status in New Zealand. He claimed that this drift away would seriously affect kauri gum production, which had contributed more to the revenue of New Zealand than any other of the minerals with the exception of gold Dalmatians, he said, were peculiarly adapted for gum digging. Their deep trenching system in the past had revolutionised the industry. They were able to work harmoniously in syndicates, and could perform an amount of work that other men would not attempt. Up to 1907 the average yearly export of kauri gum was 8,783 tons. During the war years there had been an inevitable decline in the quantity produced, but there had been only a partial recovery, and this year had shown another decline, the production in January being 289 tons, in February 301 tons, in March 359 tons, and in April 191 tons.

"HONEY" DEFINED.—The French Parliament has passed a law, promulgated recently, whereby the use of the word "honey" in France is restricted to designate solely the natural product elaborated by bees. The use of designations such as "miel de fantaisie" and similar terms is forbidden, and transgressors against these provisions will be proceeded against under the laws dealing with fraud and adulteration of foodstuffs. With respect to products at present held by retailers, the provisions of this law will become operative in three months' time.

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Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Emulsification with Virol

SIR,—We are in a position fully to confirm the results referred to by Mr. E. J. Parry (*C. & D.*, August 20, p. 90) as obtained with Virol, which would certainly appear to undermine the generally accepted theory that the globules of oil in an emulsion are kept apart by a surrounding envelop of the agent employed. It is evident that this would be a physical impossibility in the case in point. We regret that at present we are unable to inform Mr. Parry which of the ingredients in Virol (if, indeed, the results are due to any one of these) is accountable for what he has observed. Further discussion would be extremely interesting.

Yours faithfully,
VIROL, LTD.

152 to 166 Old Street, London, E.C. 1.

Showcards for Sierra Leone

SIR,—May I make a suggestion to manufacturers of patent and proprietary medicines and toilet articles, etc.? The public in this part of West Africa, where I have established a pharmacy, are attracted by show materials, etc., which help the sales of such goods and keep the goods before them. The want of these media retards the sale of these goods in pharmacies and drug-stores out here, where European civilisation is fast spreading and British goods are fairly taking the market. I therefore suggest, for the mutual benefit of manufacturers in England and of retailers out here, that they send out show material where possible to retailers who ask for it.

Yours truly,
T. C. WOODE.

Central Pharmacy, Gloucester Street,
Freetown, Sierra Leone.

Women and Village Pharmacies

SIR,— . . . For several years I have supplied the pharmaceutical requirements of a village of 1871 inhabitants, and feel justified in refuting "Xrayser II.'s" suggestions. A chemist who cannot make a living in a pharmacy with over a thousand potential customers is not a business man. I can fully endorse the opinion of Mr. W. H. Saunders. The village pharmacy should be an ideal vocation for a woman pharmacist who is sufficiently experienced and self-reliant, but the trouble is that most villages are already provided for, and in the few which are not there are no suitable premises. If "Xrayser II." would care to call and inspect my village pharmacy I should have great pleasure in demonstrating the *modus operandi*.

Yours truly,
A. E. SPAFFORD.

Earls Colne.

Education and Professional Status

SIR,—The *C. & D.* Education Number directs the thoughts of many to the preparation for the Qualifying examination. A little attention may also profitably be given to the general, as distinct from the technical, side of the pharmacist's education. The more thorough preparation for examination which the present regulations enforce will undoubtedly prove of the greatest benefit in after life to all who seriously take the prescribed courses. At the same time there may be many who will experience bitter disappointment because of their inability to satisfy the examiners in the subsequent examination, or, having done so, find they are not accorded by men in other professions the degree of respect which they consider their qualification entitles them to expect. It has often been said, and it will bear repeating, that such persons are suffering from the lack of a sufficiently liberal general education. Much has been written for and against a stiffer Preliminary examination, but, whatever the standard attained at the time of registration as students, all young men and women should seize every opportunity to raise that standard, and, in the interests of the craft should attain, before attempting the Minor, a standard at least equivalent to that required for the Matriculation examination of the University of London. It is a lamentable fact that in this country pharmacy has practically no professional status, and the pharmacist is often looked upon as inferior to the grocer or draper; this is to be attributed mainly to the devotion of the mind to technical and scientific subjects before it has been sufficiently enlarged by instruction in other directions to enable it to assimilate properly information thus obtained. As a result the pharmacist is not sufficiently equipped mentally to converse with educated men on equal terms. If as a body pharmacists are to take their rightful position in the body politic they must strive to deserve it and cease to expect to attain it by Acts of Parliament, Orders in Council, or other legislative means. The student should devote a considerable portion of his time. in the early stages at any rate, to the study of such subjects as English, Latin, Greek, or a modern language, without considering their relation to his other studies but for their intrinsic value. There are pharmacists, all too few, whose friendship is sought by men of the highest intellectual attainments. They are men who have triumphed over difficulties, and their disciplined minds have such a wide range of experience that they can make their presence agreeable to any company. By emulating the example of such men it is in the power of the young men and women of to-day to raise the status of our craft and to earn the respect and esteem of all grades of society. Hard work and faithful devotion to an ideal may involve some self-denial, but such sacrifice will be amply compensated by the lasting enjoyment of a well-trained and well-stored mind.

Yours truly,
W. SHAKESPEAR.

403 Bordesley Green, Birmingham.

Examinations and Efficiency

SIR,—"Examination Veteran" (*C. & D.*, August 20, p. 90) writes a really beautiful letter, full of fine sentiments like Gladstone's famous postcards, but also full of errors. Your leader on the Bloomsbury Committee, which is actually and anxiously trying to grapple with the new curriculum, discounts "Examination Veteran's" fine sentiments, because if our syllabus was as perfect as his letter seems to suggest there would not be any need for revision. Whereas we all know, though many will not admit, that our syllabus was out of date even at my examination in 1893; the whole thing was a dreary waste of human effort, and never has been the slightest use to me in business. My lack of real knowledge has been a handicap to me for twenty-eight years, and I have had to depend (1) on the *C. & D.* weekly, (2) on the *C. & D.* books, (3) on "Squire" and "Martindale," (4) on native wit, and (5) on dearly bought experience, instead of on my Pharmacy College education. All the time I was at Duncan's Edinburgh Pharmacy College I was vaguely aware that something was amiss. Duncan was a popular and painstaking teacher, and many a time since I left I have had reason to curse the syllabus which turned us all out with mere smatterings of academic piffle, instead of sound commercial knowledge of chemistry and materia medica, which he could just as well have imparted. When I got into big business in England I was so often at a loss for real facts that I got from Jesse Boot ten years' back numbers of the *C. & D.*, and I compiled from them what I call my "Business B.P.," which is in daily use even yet, and has helped my apprentices to get over their daily difficulties. Is it any wonder that I curse the "bone-headed" Pharmaceutical Council and their palsied, fly-blown syllabus? Lord Rosebery, twenty years ago, condemned the wrong ideas of the old Radical Party as "fly-blown phyllacteries"; and that is all that is wrong with our syllabus. We need a new text, and then the drug-trade will go ahead; and if the syllabus and books are really modern, a few months' home study

will do much to repair the wrong done to the newly qualified men and women, if they study. Here's a few of "Examination Veteran's" points answered in detail:

1. Men who fail to pass examinations cannot all be inefficient, else why so many unqualified men in law with the confidence of a big *clientèle*? Why so many high-class pharmacies where the backbone of the business is the experienced but unqualified man? And why so many unqualified dental practitioners doing well?

2. Medical students who fail are not trapped by tricky points; have always been allowed to take again the one subject failed in; they have a five years' course; they have the ablest men of their time as their apprentice masters; they are advised on every point—even their behaviour in a police-court is laid down in lectures; their fees are much more reasonable, and they have never had 70 per cent. of failures, and I have never yet heard one of them complain of their failures like pharmacists, except in the one subject of pharmacy, and that only recently. The big half of medical failures to pass are wasters who are killing time at a college for the social position.

3. Pharmacists' protection is a myth, worth 5*s.* to 20*s.* a week takings, and a quarter of that in net profit. The absence of "disciplinary conduct" subjects us all to the cute tricks of neighbours without redress, while drug-stores, herbalists, co-ops. can, and do, keep 90 per cent. of our best-selling goods without hindrance. Protection is useless in Great Britain. Young men who read this will see how they have been cheated of their right of real education, and unless they are prepared to continue to study hard, as I did, then they are not fully equipped for business.

4. Men who really know their subjects are admittedly more often ploughed by our *viva-voce* examination than cute men often ill-prepared but more "glib in the tongue." I note "Casual" agrees with me (*C. & D.*, August 20, p. 52). Modern countries like the United States, Canada, and Germany, who started their educational systems after 1875 with brains, forethought, and common sense, have a very different system of examination from ours. In Germany even the apprentice's notebook first year is included, and in the United States the student's whole class work over a period of years is taken into account, as Sir William Ramsay told us twenty years ago. Yet "Examination Veteran" says that "human intelligence cannot devise a better test of efficiency than our examination system," also overlooking the fact that our syllabus does not give efficiency to begin with. Why, then, the test? The very fearful list (as Kipling says) of "Examination Veteran's" ten examinations shows that he is a man of wonderful ability and has an uncanny liking for study, but the ordinary Britisher is not built that way, nor can it be truthfully said that "Examination Veteran" is more logical in his deductions than I am, who managed just to scrape through the Preliminary before mathematics was wrongly added, and just managed to get through the Minor, as the examiner put it at the time. The whole trouble with our examination, and with the preceptors and the matriculation, began with forcing upon all mathematics which are really only understandable by the few with the engineering type of mind. That began it; the rest followed from mere lack of brains on the part of educational authorities who have landed us in the awful mess of 1921, and the academic proposals of Mr. Fisher. As a nation we are sentimental, which makes us illogical; and mathematics never yet made any man logical, because they are mere formulas, to be applied to certain known cases of engineering difficulties and questions of high finance quite out of the range of the retail drug-trade. The medical curriculum has been altered many times in the last thirty years, while ours has stood still. Look how the doctors scrapped Latin when they found it a hindrance to students, while we argued for twenty years over it; and the United States has made it pharmacy Latin and got fine text-books on it, instead of Julius Cæsar and his conquests of Gaul.

Why say any more? It will take another twenty years before anything like my curriculum can possibly have a chance. Here it is:

1. Each student to have a page in Registrar's ledger; keep in touch by post; letters twice yearly; books recommended (modern ones, not the bonfire kind).

2. To earn marks from the start of apprenticeship, all marks to count in the Minor; early registration; pharmacies approved before companies or co-operatives or drug-stores; note-book first year sent up for marks.

3. Home study: "Squire," "Martindale," "Art of Dispensing," "Commercial Chemistry." Visits to works and essays thereon. Apprentice master's report; other situations' reports. Intermediate examination.

4. Pharmacy College report; modern books; American College drug Latin; "Squire" and "Martindale" recognised instead of tabooed; pharmaceutical chemistry, and more of it; real commercial chemistry instead of laboratory experiments; botany to be more practical; horti-, agri-, and viti-culture, and the use of chemicals and fertilisers; the chemistry of photography: baby foods; wines; water; milk; poison-gas and poisoned wells in war.

A syllabus could have been written in 1919 that would have turned out assistants so efficient that masters would have competed for their services; instead of that we have hopeless incompetence. The Pharmaceutical Society have lost the finest chance in their history. Between 1919-1922, 4,000 or 5,000 young men and women will qualify; and, instead of enforcing a new curriculum, improved and brought up to date, which could have been arranged in two hours in 1919, they fiddled like Nero of old, and, being bone-headed as well, they relied on a farcical number of hours being given to the study of books hopelessly out of date, and have turned adrift an army of men branded A.D. 1890, whose lack of real knowledge will make them a burden to all employers for the next ten years to come.

Yours truly,

JAY MACK.

Prescription Pricing

SIR,—The contributor of the article, "The Season" (*C. & D.*, August 20, p. 51), is anxious to know how the price of 1*s.* 10*d.* has been arrived at for a mixture he quotes. Perhaps the following will help him: Our local Association devoted practically all its business time last winter in endeavouring to arrive at a scheme of locally uniform charges for dispensing, but without success. The plan recommended for adoption was as follows:

1. Cost of ingredients.
2. Professional fee.
3. Cost of container.
4. A profit of 33⅓ per cent., graduated down to 20 per cent., according to value of ingredients *plus* professional fee *plus* cost of container.

The general professional fee was to be 6*d.*, non-compounded drugs, single powders, small number of pills, etc., to be charged less, while anything necessarily entailing much time in dispensing should be charged on the basis of 2*s.* 6*d.* per hour as professional fee. The scheme fell through, chiefly because it was insufficiently supported by non-members or non-attending members of the Association. The point is that it failed, not because the charges proposed were too low, but too high. Why, inherently, this district should specially find such a tariff too high I leave to more competent judges to decide. Under this proposed tariff the mixture referred to would work out as follows:

		d.
Tr. valer. ammon.	ʒiv.	2
Tr. sumbul	ʒiv.	4
Tr. nucis vom.	ʒiss.	1
Ext. glycyrrh. liq.	ʒiv.	2
Aq. menth. pip. ad	℥viij.	1½
		10½
Professional fee		6
		16½
33⅓ per cent. profit (being under 2*s.* 6*d.* value) ...		5½
		22*d.*

As the customer supplied the container there is no charge for it, nor profit thereon. I consider these charges

too low, and much prefer the National Minimum Retail Price List system, by which the ultimate price works out as follows :

		d.
Tr. valer. ammon.	ʒiv.	2
Tr. sumbul	℥iv. (quoted 10*d*. per oz.)	5
Tr. nucis vom.	ʒiss.	1
Ext. glycyrrh. liq.	ʒiv.	2
Aq. menth. pip. ad (not ex conc.)	℥viij.	4
		14
Dispensing-fee and overhead charges, $\frac{1}{6}$ of 1 hour ...		$7\frac{1}{2}$
		$21\frac{1}{2}$
+50 per cent. profit		$10\frac{3}{4}$
		$32\frac{1}{4}$*d*.

A charge of 2*s*. 8*d*. or 2*s*. 9*d*. as a minimum charge. Advocacy of such a scale locally is out of the question, and if such a prescription found its way into the district there would be great danger that local stocks of some of the ingredients might prove to have been exhausted in the treatment of our own members. The very slovenly and most inexcusable practice of covering one or more labels with another (particularly so in Insurance dispensing) is far too prevalent, and cannot be too strongly deprecated.

Yours, etc.,
FAIR-PAY (19/8).

Photographic Developing Business

SIR,—I must thank your various correspondents for their replies on "Photographic Developing Business," and I also have to acknowledge a sample of developer from a manufacturer, to which I shall give a fair trial. At the same time, I must point out that I have not taken up developing only recently as a sort of odd-moment job, and can, I think, claim to have passed the novice stage, as it is just on twenty-five years since I signed my indentures, and during the whole of that time I have been employed in businesses which dealt in photographic work; and even before that, in my school days, I had started photography as a hobby, and have kept it up to this day. I have, moreover, given this question a good deal of time and thought; my dark-room is in a concrete basement, and is large enough for two to work comfortably, or even three if necessary, and I have a proper box-printer, with electric light, which turns out very good gaslight prints. As a rule developing proceeds normally, but it so happened that the week I wrote my first letter one difficulty seemed to crop up after another; it would, of course, be a good thing to have a set of professional tanks; but, as I pointed out before, the work comes in irregularly, and whereas one day there may be sufficient to warrant the use of a tank, the next day or two there will perhaps be only a few films to do, which would not pay for the quantity of solution required for this method. I note that "S. C. S." has never had any trouble from frilling, whilst "J. P. N." has suffered a lot. Curiously enough, some years ago I was manager of a business in a hot climate, and, although we did a lot of developing, I do not remember this trouble arising, whereas during the recent spell of heat it has been a constant source of annoyance, the frilling not being so much on the edges of the film, but small blobs rising in the centre, and then, if extreme care is not taken, the piece comes right out, generally during washing, and leaves a hole in the negative. In any case, I fared better than one customer, who told me that he had developed one roll at home and the whole of the emulsion came off and left him with a blank. I see that "S. C. S." stipulates for properly exposed negatives, but these are rare in amateur work, some of the sea-side snaps coming in this summer being much over-exposed, and these are the ones that give trouble. At the same time, I have gained some good information from your correspondents' remarks, and trust that other readers similarly situated have done so as well.

Yours faithfully,
"D. V. L." (20/8).

Photographic Business

SIR,—A note in "The Photographic Dealer" for August draws attention to the present slump in plates and plate-cameras, and points to the fact that serious workers generally use plates and achieve much better results than the film workers, and instances the pictures at the Annual Salon and other exhibitions, Press photographers, and they might have added professional portrait workers. There is no doubt that the average film user is the amateur, and he has a sudden spasm during the summer months, generally about holiday time, and only wishes to take the picture and leave the developing and printing for the dealer, and this is largely the reason why we receive so many films that are not worth the labour expended on them, as the picture-taker does not understand his subject, and usually either hopelessly under- or over-exposes his films. At the present time there is also the question of price; when plates were 1*s*. a dozen they offered the best inducement possible to the amateur to buy them instead of films at 3*s*. a dozen, and undoubtedly this settled the question for many years, but with the advanced prices at present ruling for plates this inducement does not hold good. The photographic dealer also says that the retailer prefers to sell film-cameras with a view to the developing and printing, but I differ from this statement, as the work is generally unsatisfactory, and it would be much better to get an enthusiastic worker as a customer, who comes back regularly for apparatus and chemicals, than the usual snap-shotter, who gets tired of it after a month or two and gives it up perhaps till next summer, or probably altogether.

Yours faithfully,
PLATE-HOLDER (19/9).

Poison Antidotes

SIR,—If the proposed Bill for the compulsory printing of antidotes on the labels for poisonous drugs and chemicals becomes law, it will add yet another little item to the pharmacist's long list of obligations; and after that possibly some genius will suggest that a sufficient supply of the necessary antidotes, with instructions for use, shall be given away to every purchaser of a dangerous product; and then some brighter mind still will introduce a Bill to compel the pharmacist to go home with every customer and see that he uses the poison for the purpose he stated, and bring any surplus away with him. The daily Press has already been giving us samples of the labels we ought to use. The enclosed is presumably to be used in addition to the present label, as there is no word "Poison" or space for name and address of seller. This label

> **OXALIC ACID**
> **if taken by mistake :—**
> **ANTIDOTE—**
> **Give tablespoonful of :—**
> **Chalk**
> **Whiting**
> **Plaster from wall or ceiling**
> **Promote vomiting by**
> **Mustard and Water**
> **Olive Oil**
> **THEN CALL A DOCTOR**

is to be stuck on the bottle, so now, perhaps, they will favour us with a copy of the one we are to use when wrapping up twopennyworth of spirit of salts.

Yours faithfully,
REDUCTIO AD ABSURDUM (19/9).

Subscribers' Symposium

Russian Famine.

Mr. Frank Inglis, chemist and druggist, 56 Heaton oor Road, Heaton Moor, writes to suggest that every armacist who has a weighing-machine should devote e month's proceeds to the Russian Red Cross Famine und. The London office of the Russian Red Cross Chesham House, Chesham Place, S.W. 1) will be very eased to supply printed cards on request.

Legal Queries

Laurencio (8/8).—The contributions payable under the ational Insurance Acts were given in the *C. & D.*, ugust 13, p. 45.

Kosmos (6/8).—An indoor assistant on holiday is not titled to an allowance for board and lodging unless he s an agreement to that effect.

E. J. N. (13/8).—An unqualified person in partnership ith a chemist cannot describe himself as a chemist in e manner you suggest without infringing the Pharmacy cts.

F. B. (14/8).—It is too late for applications to be de under the Poisons and Pharmacy Act, 1908, for mission to the Register of Chemists and Druggists by examined persons.

H. E. H. (16/8).—You can only supply hypodermic orphine tablets to a nursing home upon the prescription a medical practitioner, which there will probably be tle difficulty in obtaining.

A. W. H. (20/8).—Prescriptions containing "dan- rous" drugs should be entered in the Prescription Book d an appropriate reference to the prescription made in e record book kept in conformity with the Dangerous ugs Act Regulations.

Catex (23/8).—In our opinion Dover's powder tablets e an exempted preparation under the Dangerous Drugs ct Regulations. The tablets are only a temporary ange in the physical form of the powder, and they are ually crushed before they are administered.

J. J. H. (22/8).—A pharmaceutical preparation contain- g morph. hydrochlor. ʒj. in ℥cxxiv. of product is within e limits of the Dangerous Drugs Act and cannot be sold tail. The morph. hydrochlor. is approximately 2.07 grs. the ounce, and the safety limit is 1¼ gr. (*See* Dan- rous Drugs Act Card.)

Aspirin (8/8).—(1) Vinum ipecacuanhæ is included in e second part of the Poisons Schedule by what is known the "Omnibus Clause," as it contains a poisonous getable alkaloid. We do not remember reading of a se of poisoning by this household remedy. (2) We blished the amended Poisons Schedule in the *C. & D.*, , 1921, p. 19.

P. L. (19/8).—As a proprietor of a school of pharmacy ur establishment does not come within the definition of e laboratories mentioned in Regulation 11 of the Dan- rous Drugs Act, and you may not, on and after Sep- mber 1, be in possession of any "dangerous" drugs. ou should apply to the Under-Secretary of the Home ffice for authorisation to possess the drugs.

Romo (20/8) has been compelled to pay a premium of W. in order to secure a lease of certain business pre- ises. Is the amount recoverable? [Under the Increase f Rent Act, 1920, premiums upon the grant of leases of e premises to which the Act applies are illegal and coverable by the lessee; but, as the Act no longer applies premises used only for business purposes, "Romo" has o remedy.]

G. S. G. (24/8).—The exact conditions upon which you ay supply and unregistered dental practitioners may ossess cocaine solution for use as a local anæsthetic are ven elsewhere in this issue. The unregistered dental prac- tioner may not supply the dental solution to other persons, s he is not authorised or licensed to do so by any Regu- tion. The solicitor who advised otherwise was probably ot aware that the practitioner is not a registered dentist.

Scotus (14/8).—A mixture containing the following pro- portion of ingredients in 80 oz. is well outside the Dan- gerous Drugs Act:

Morph. acet.	...	gr. iv	=3.2 gr. morph.
Tr. camph. co.	...	℥viiiss.	=2.0 gr. ,,
Tr. opii ...	...	ʒj.	=4.8 gr. ,,
			10.0 gr. ,,

W. A. S. (17/23).—(1) A preparation containing tr. opii ʒj. in a pint of syrup, etc., is well outside the Dangerous Drugs Act. No record need be kept of the quantity of tr. opii where the proportion in the finished mixture is below the limits of the Act. (2) We recom- mend panel chemists to enter Insurance prescriptions containing "dangerous" drugs in the prescription book, to file the duplicate form, and to make a suitable reference in the index book.

C. & S. (15/8).—"Dangerous" Drugs in Pro- prietaries.—(1) Balsam of aniseed and liquorice contain- ing morph. hydrochlor. gr. ij. in ℥viij. is well outside the Dangerous Drugs Act. (2) Diarrhœa mixture con- taining tr. opii ʒij. ♏xxxvj. in ℥viij. is approximately tr. opii ♏xx. per oz. As the safety limit is ♏xcv., the preparation is outside the Act. (3) A mixture containing tr. opii ʒiij. in ℥xj. ʒvj. is equivalent to tr. opii ʒij. per oz., which brings the mixture within the limits laid down in the Act. Such a mixture cannot be sold retail after September 1.

G. B. S. (15/8).—Supply of Cocaine Eye Drops.—The Home Office have issued a general authorisation for chemists to supply and for occupiers of factories and workshops to possess the cocaine eye drops mentioned in the order made under the Factory and Workshops Act. Under the present regulation the eye drops may be supplied to any person known to be the occupier of a factory or workshop, but the chemist must keep a record of the sale. The text of the authorisation is given elsewhere in this issue.

P. G. C. (19/32).—(1) So far as we can see there is no provision in the Dangerous Drugs Act Regulations for the supply of "dangerous" drugs to yachts. You can get over the difficulty by supplying chlorodyne B.P. '85 (see *C. & D.*, July 2, p. 70) or one of the proprietary brands which do not contain morphine in quantities ex- ceeding the limits laid down in the Dangerous Drugs Act. In the case of tr. opii you could supply this diluted. (2) "The Ship Captain's Medical Guide" is obtainable from the Stationery Office, Kingsway, London, W.C., at 3*s*. a copy. It has been reprinted this year.

A. J. F. (13/8).—On and after September 1 the pre- scription ordering tab. morph. sulph. must be (1) signed by the medical practitioner with his full name and address; (2) give the name and address of the person for whose use the prescription is given; (3) state the total amount of the drug to be supplied; and (4) if desired to be repeated twice the intervals must be speci- fied upon the prescription. There is no limit as to the quantity of a "dangerous" drug which a doctor may order in a prescription, and one effect of the Dangerous Drugs Act will probably be that much larger quantities of dangerous drugs will be ordered at a time.

J. W. W. (17/8) asks whether a cough mixture con- taining morph. hydrochlor. gr. lxxxviij. in 32 lb. of finished product is within or without the Dangerous Drugs Act. [Assuming that the sp. gr. of the mixture is 1.0, it contains 88 gr. morph. hydrochlor. in 224,000 (32 × 7,000 gr.), or 1 in 2,545, and is well outside the Act.] What is the position in regard to chlorodyne made accord- ing to the British Pharmacopœia 1885 (*C. & D.*, July 2, p. 70), but containing morph. hydrochlor. gr. xxx. in place of gr. viij. [The chlorodyne in this case contains 0.709 per cent. of anhydrous morphine (0.189 × 3.75), and is within the Act. Such a preparation cannot be sold retail on and after September 1.]

C. N. B. (7/3) sends us for perusal an agreement which he entered into eighteen months ago with a limited com- pany under which he became a monthly tenant of certain

business premises, and was appointed agent for the sale of three proprietary articles manufactured by the company. One clause in the agreement provides that "the company agrees to allow the signs on the said premises to remain as at present fixed so long as the agency before mentioned exists." "C. N. B." has asked the company to pay a nominal rent for the space occupied by the signs, and, in declining to do so, the company threatens to remove the signs. If "C. N. B." allows the signs to be removed will his agency be jeopardised? [In our opinion the company is entitled to terminate the agency at any time by giving reasonable notice, and "C. N. B." must judge for himself whether the company would be likely to adopt that course in the event of the removal of the signs. If, as we assume, the signs in question advertise the articles for which "C. N. B." is agent, their removal might be considered to affect the value of the agency so far as the company is concerned, and for that reason the company might decide to terminate the agreement.]

Proboscis (22/8).—Supply of "Dangerous" Drugs to Ships.—Regulation 15 (see *C. & D.*, I., 1921, p. 739) made under Section 7 of the Dangerous Drugs Act authorises the master of a ship to be in possession of "dangerous" drugs "so far as is necessary to comply with the requirements of the Merchant Shipping Acts." As an authorised person you may supply him with the quantities of tr. opii and tr. chlorof. et morph. co. which he is required to keep on board under the Merchant Shipping Acts. The following are the quantities:

	10 men and boys and under	11 to 20	21 to 40	41 and upwards
Merchant Ships:				
Tr. chlorof. et morph. co. ...	1 oz.	2 oz.	3 oz.	4 oz.
Tr. opii	4 oz.	6 oz.	8 oz.	10 oz.
Emergency Scale (for voyages not exceeding 5 days):				
Tr. chlorof. et morph. co. ...	1 oz.	irrespective of number of men		
Tr. opii	2 oz.			

	10 and under	11 to 20	21 and upwards
For Fishing Vessels (steam trawlers, etc., absent for more than 10 days):			
Tr. chlorof. et morph. co. ...	1 oz.	1 oz.	1 oz.
Tr. opii	2 oz.	3 oz.	4 oz.
For Fishing Vessels (over 15 tons register and not coming under preceding scale):			
Tr. chlorof. et morph. co. ...	1 oz.		
Tr. opii	2 oz.		

A. S. (17/8).—D.D.A. Difficulties.—"A. S." writes: I am in doubt as to whether I have to enter in the Register when a "dangerous" drug, e.g. liq. morph., is ordered in a prescription. Do we have to enter the percentage of morphine? I had a prescription to-day for liq. morph. ʒiij. in ℥viij.—sixteen doses. Is entry in the prescription book sufficient, with the name of patient and the number? The doctor did not give his qualifications or address, nor the patient's address. How would this stand on September 1? [A prescription containing liq. morph. in a proportion of less than 106m per fluid oz. (see *C. & D.* Dangerous Drugs Act card) in the finished mixture is outside the Dangerous Drugs Act and only requires the conditions of the Pharmacy Act (entry in prescription book) to be observed. The number of doses is immaterial in calculating the proportion of "dangerous" drugs, as only the bulk counts. The doctor is under no obligation to give his name, qualifications, and address and the name and address of the patient in this case.] A local doctor tells me I am too particular. He states that he can get cocaine and other "dangerous" drugs from either local chemists or from a traveller from a wholesale house without any of these annoying conditions. I know I lose custom through observing the conditions laid down in the Poisons Acts. [On and after September 1 you can supply a doctor on a written order and deliver the drugs or send them if you are satisfied that the messenger has the requisite authority. Every chemist in future will have to enter such transactions in the poisons book and index them in the Dangerous Drugs Act Register, giving the necessary references to the poisons book. Under the Pharmacy Act, such transactions being wholesale ones did not require entering in the poisons book.] I put up a tooth essence, and in making 36 oz. I use pulv. opii ʒij. ʒij., what proportion of tinct. opii should I use? Does the preparation come under the new Act? [Taking your quantities as apothecaries' weight, 36 oz. of the tooth essence contains pulv. opii gr. xxx. per oz., of which one-tenth is anhydrous morphine=to gr. iij. in ʒj. The limit in the Dangerous Drugs Act is one-fifth per cent., or (as a safe quantity) $\frac{12}{13}$ gr. per fluid oz. You cannot in future sell this by retail except on a doctor's prescription. Your better plan would be to reduce the quantity of tr. opii to 95m per fluid oz.] I hold good stocks of cocaine tablets, and tablets of morphine as well as the alkaloids. Do I have to show a record of these? [You are not required to record the stocks you hold on September 1. The Regulations have not provided for this, but your stocks after September 1 are open for authorised inspection. There is no limit to the quantity you may hold.]

Miscellaneous Inquiries

Problem (6/8).—Chlorodyne in Prescriptions.—When tr. chlorof. et morph. is ordered in a prescription it is usual to supply the preparation of the British Pharmacopœia, 1885. Tr. chlorof. et morph. co. is taken to refer to the chlorodyne of the B.P., 1914.

J. E. C. (23/7).—Distemper Powder for Dogs.—This powder appears to consist chiefly of sodium chloride with a little potassium nitrate and a vegetable powder, which is probably catechu.

Alpha (20/7).—Preventive of Milk Fever in Cows; also used in horse colic.—This preparation is a pink liquid of 0.997 sp. gr. and has the odour of sp. ammon. arom. It appears to be a dilute solution of ammonia solution coloured with compound tincture of lavender and containing sp. ammon. arom. It yields practically no ash, and hence no mineral matter is present, and very little organic.

W. E. W. (23/8).—The plant you send is the common horse-tail, *Equisetum arvense*, N.O. *Equisetaceæ*. The section of the genus to which it belongs is characterised by having some of the plants sterile and some fertile; the plant sent is the sterile form. The fertile form occurs in March and April, and has no branches, but simply the fertile head at the top of a leafless stem which is much stouter than that of the sterile plant and only about four to six inches high. It is used in herbal medicines as a diaphoretic and as an astringent, in dropsy, gravel, and kidney affections, and for incontinence of urine. A fluid extract is prepared from it given in a dose of 15m. It is used in homœopathic medicines, in the form of tincture of the fresh plant, for urinary complaints.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," August 15, 1871

Pharmacy at Versailles

"F. H. L.," in his notes "En Vacance," describes a visit to Versailles: "Here, as in all other places, I noticed the small number of preparations in the pharmacie, and the large number of simple drugs, especially herbs, flowers, and leaves, and all in bottles, some narrow, some very wide-mouthed. In the gums and gum-resins, fine specimens are not often to be seen. The myrrh is generally what is known in England as East Indian; very rarely is that called Turkey to be seen; scammony is frequently heavy, and of a dull, hard fracture—plainly, what we call Aleppo; but in France these two descriptive names (for they are nothing more) are reversed, for *Scammonée d'Alep* is the best and purest, and *Scammonée de Smyrne* applies to the inferior qualities, and to those containing mixtures of chalk and starch. It is, doubtless, owing to this uncertainty as to the percentage of active principle in this drug that latterly the 'Resin of Scammony' has been so much employed here, and it is met with in a beautiful form, perfectly white. I had never seen any with us approaching it in absence of colour. A remedy, very popular in France a little time ago, the *purgative Leroy*, contains scammony, jalap, and turbith root in large quantities, exhibited with alcohol and syrup of senna."

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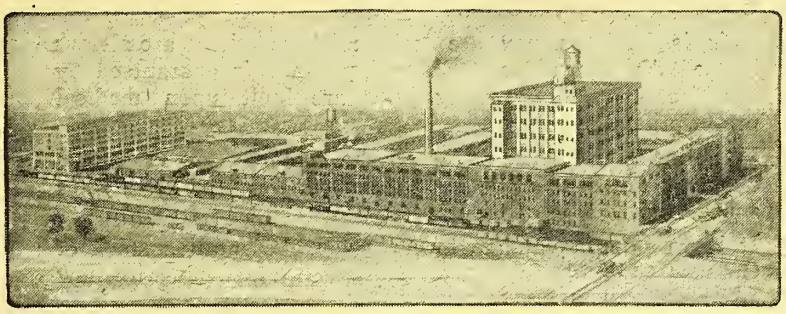

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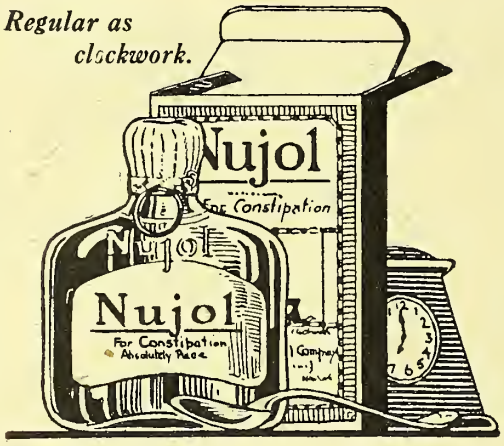

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NUJOL sells well the year round. Nujol is a big profit producer for the chemists who display and push it.

Because—

Nujol gives a good margin of profit.

Nujol ties up no capital in slow-selling sizes.

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Send to-day for the window display and other sales helps.

Nujol

TRADE MARK

For Constipation

NUJOL Department,
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POISONS & PHARMACY ACT.

Privy Council Order, Jan. 1, 1921.

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THE BEST
CHLORODYNE
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IT HAS NOT TO BE SIGNED FOR

Over 60 Years' Reputation.
Sells well. Gives satisfaction, thus securing a Permanent Customer.

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Kutnow's Powder is being constantly introduced to an entirely new public by means of personal recommendation — nation-wide publicity and the distribution of thousands of free samples in reply to request.

This means an ever-increasing demand, and bigger sales for all chemists who stock this reliable powder.

Kutnow's Powder

Manufactured solely by S. KUTNOW & Co., Ltd.
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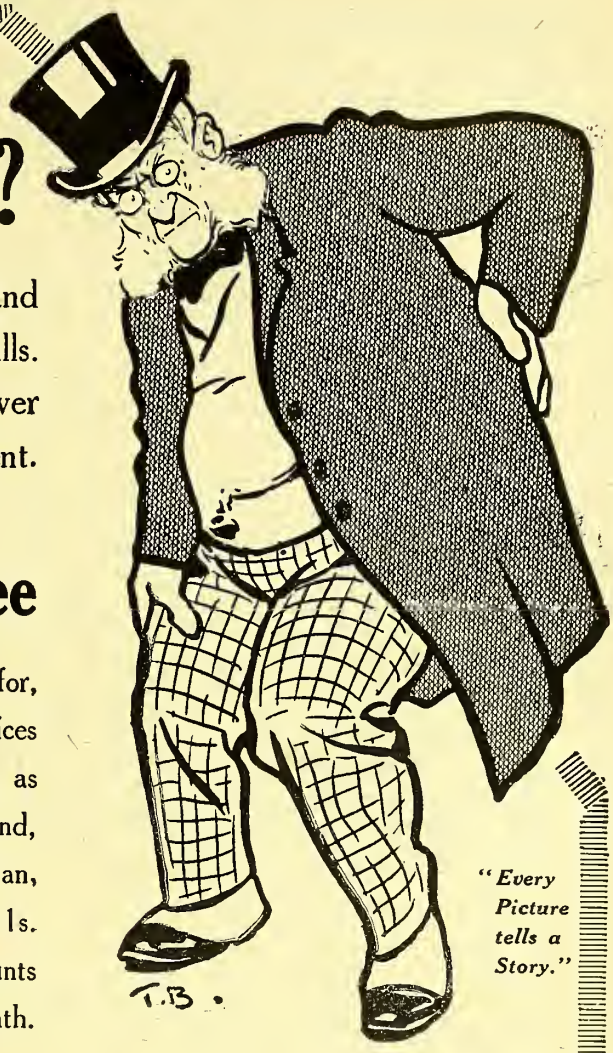
ASK YOUR WHOLESALE DEALER FOR FULL PARTICULARS.

How's Stock?

Autumn means increased demand for Doan's Backache Kidney Pills. There is, too, more call than ever for Bilax and Doan's Ointment.



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We will replace, or refund in full for, any stock returned to us. Best prices allowed on direct orders, assorted as required, for £7 16s. lots. For Ireland, Channel Isles and Isle of Man, best prices apply to lots of £7 1s. All goods sent Carriage Paid. Accounts payable end of the following month.

P.A.T.A. prices:

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	Per dozen in 6-dozen lots	In less than 6-dozen lots	Per dozen in 6-dozen lots	In less than 6-dozen lots
Doan's Backache Kidney Pills	26/0	29/0	23/6	26/3
Doan's Ointment	26/0	29/0	23/6	26/3
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Guaranteed 15% B.P.C. and N.H.I. standards.
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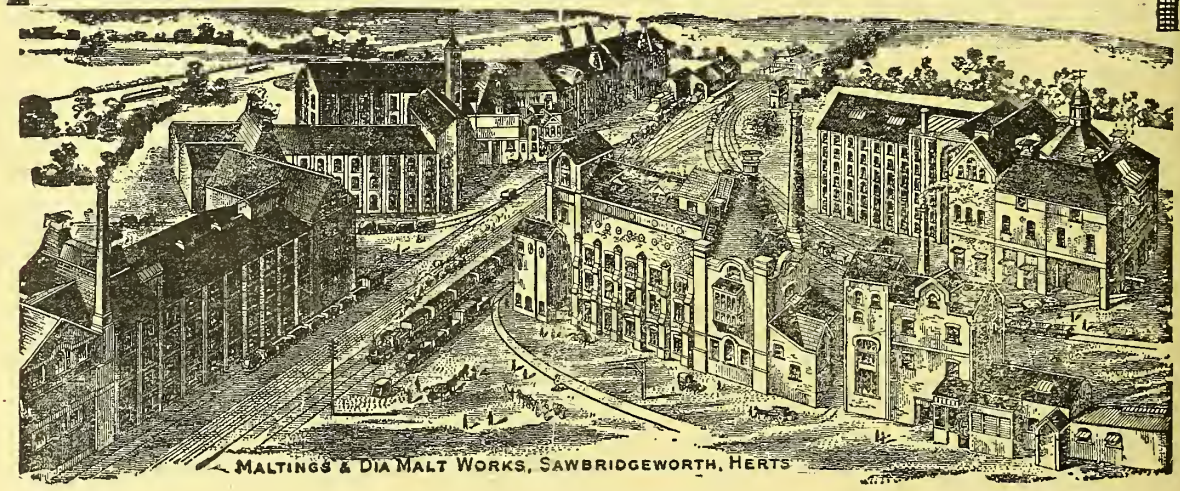

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RECOMMEND

for NEURALGIA

When a customer asks for 'something for Neuralgia' or Headache, why not recommend DAISY and so make sure that she will be quickly, safely, and surely relieved ?

Your customers know all about DAISY and trust it completely—they have read the medical testimony and know that its formula has high medical approval. A mere reminder about Daisy will make the sale for you at once without effort,

AND EARN 50%—100% PROFIT

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Dear Sirs,—For many years I have watched the introduction of headache specifics and subjected them to both analytical and clinical tests, but have never felt inclined to approve of their composition or effects. I must admit, however, that your new formula for the "Daisy" Headache Cure merits my complete approval, and I am especially pleased to note that you have replaced the depressing ingredient, acetanilid, by an infinitely safer and more certain principle, free from any possibility of causing injury to the system. I lay great stress both on its efficiency and safety, and am constrained to compliment you on your commercial courage in placing an unusually costly formula, at a reasonable charge, at the command of the public.

Yours faithfully, (Signed) ROBERTSON WALLACE.

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For not less than 1 doz. Boxes, **9/9** per doz. For not less than 3 doz. Boxes, **9/2** per doz.
2/3 Packets each containing 20 powders—Minimum Retail Price, 2/3.
For not less than 1 doz. Boxes, **21/6** per doz. For not less than 3 doz. Boxes, **20/6** per doz.
Mixed Orders for 1/-, 2/3, 6/- size and for Daisy Tablets on best terms.
Discount 7½ per cent. for cash. *Carriage Paid to destination.* From all Wholesalers or direct,

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THE BEST AND SAFEST INFANTS' MEDICINE OF OVER 120 YEARS' STANDING.

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Perfectly Preserved for future use by
Universal Preservative
Tin sufficient for 80 lbs. of Fruit for 1/-
NO BOILING. NO STERILIZING.
SIMPLE. - - INFALLIBLE.
From Stores, Grocers, and Chemists.
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Vinum Xericum

BUTTS.	HOGSHEADS.	QR. CASKS.
108 galls.	54 galls.	27 galls.

Grade A. STRENGTH 16·5°–17° Abs. Alc.
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ESSENTIAL IN THE SICK ROOM
Sold by all Chemists and Stores.
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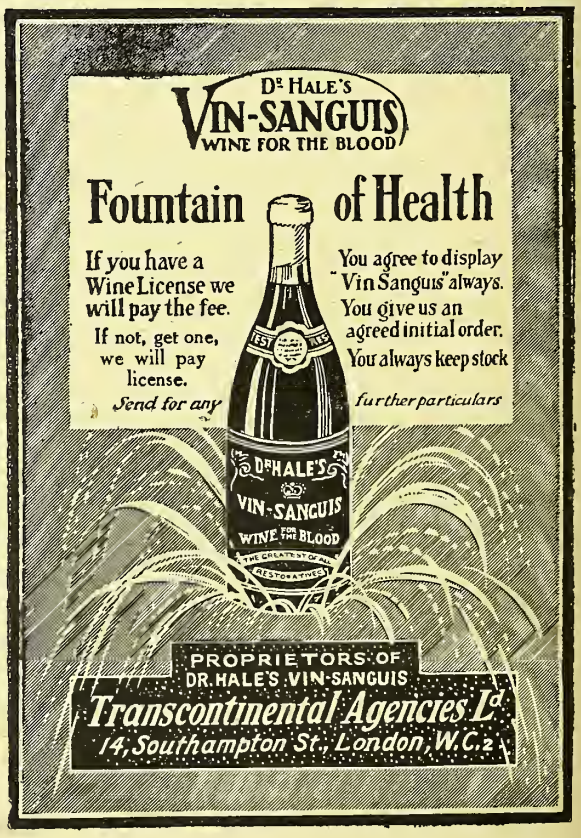

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say that rigid foot-plates are injurious and are prescribing for Tired Feet and Weak Insteps

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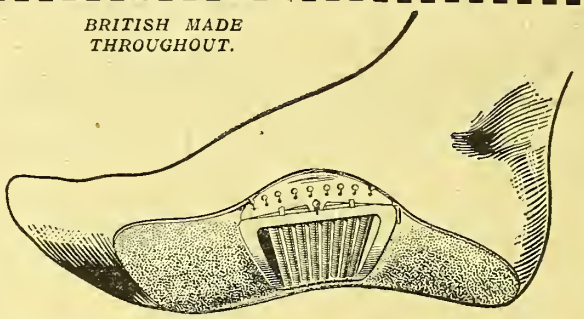

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Write for Descriptive Circular.

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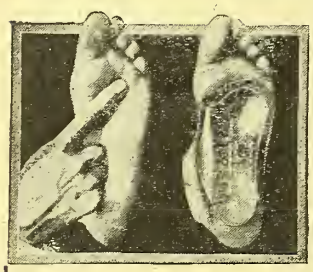

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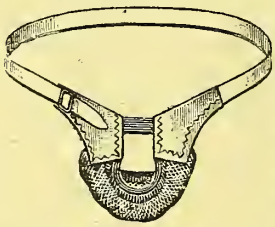

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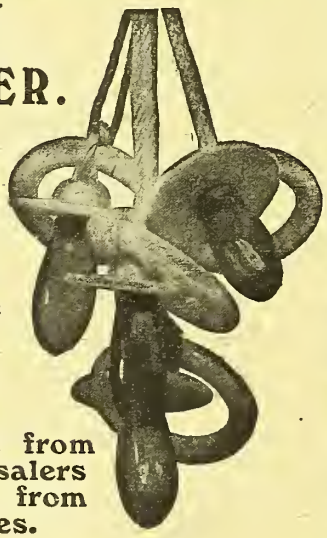

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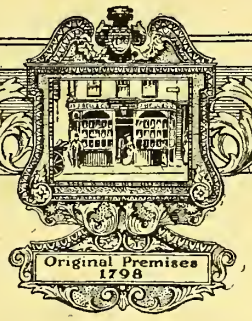

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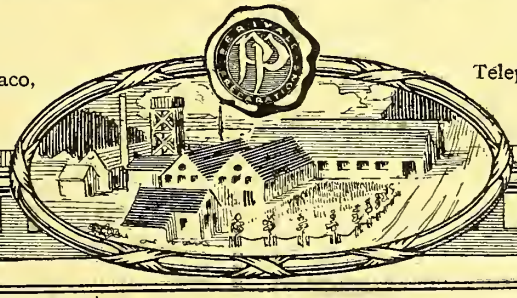

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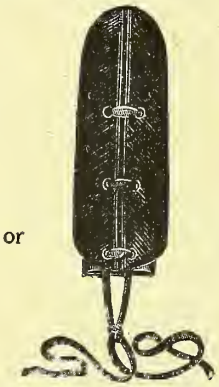

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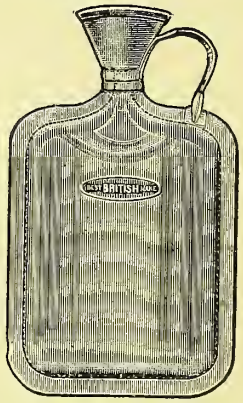

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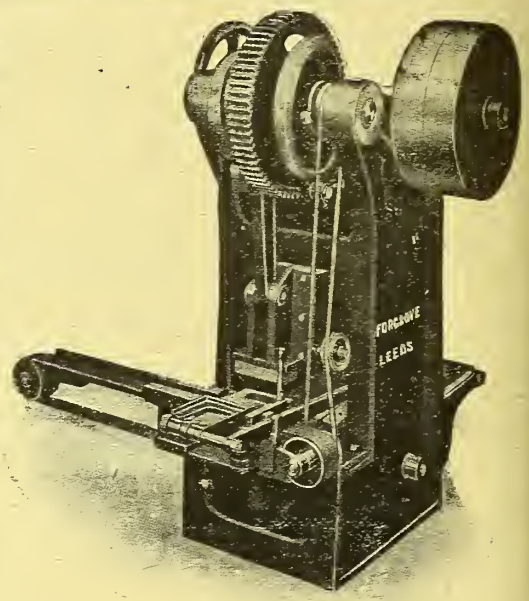

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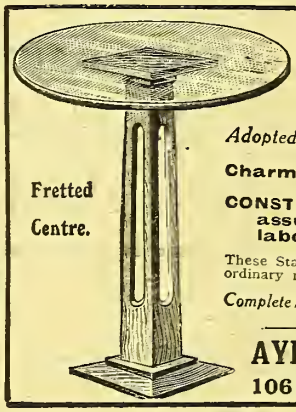

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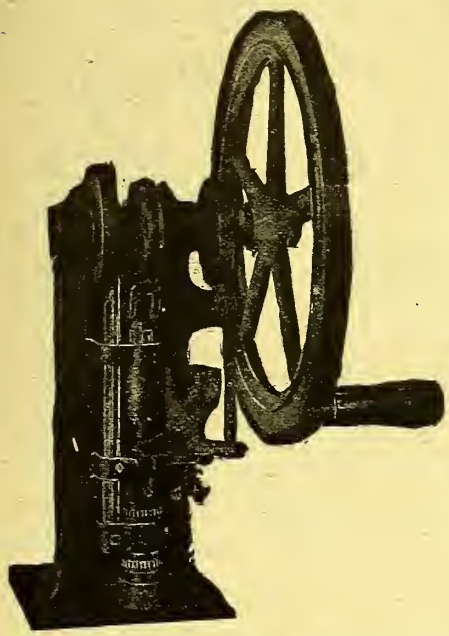

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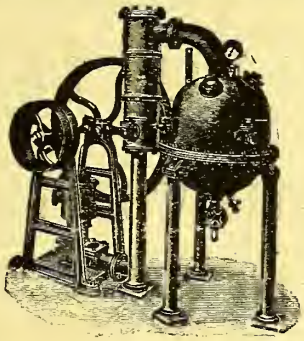

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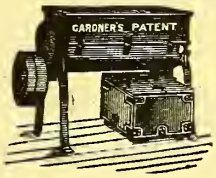

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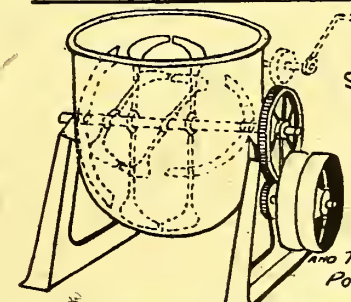

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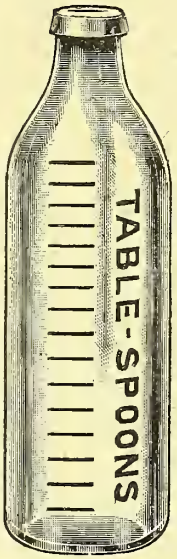

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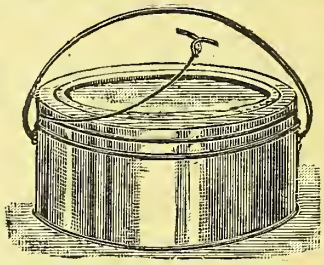

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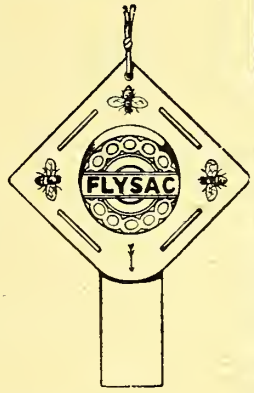

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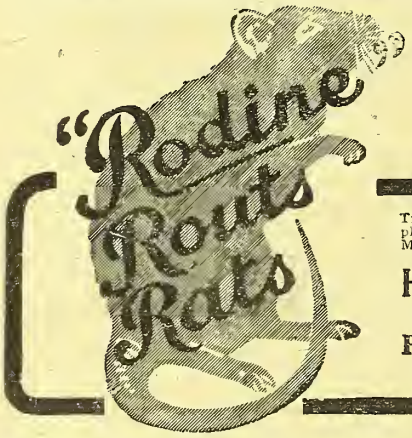

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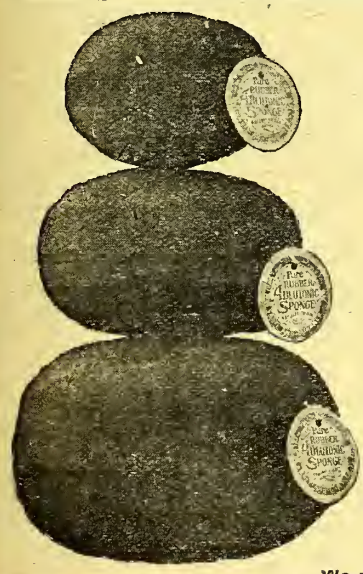

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THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C.4

AUGUST 27, 1921

This Supplement is inserted in every copy of The Chemist & Druggist

THE SUPPLY OF SUPPLEMENTS.

The clerical work in connection with the posting of spare copies of the Coloured Supplement week by week has increased to such an extent that we have been compelled to reorganise our system of distribution. Our readers will please note, therefore, that, in future, instructions can be accepted for not more than six successive issues of the Supplement at a time, and that in every case

ADDRESSED WRAPPERS STAMPED ONE PENNY

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ANTED, small Pharmacy or Mixed Drug Stores, unopposed, and without N.H. Dispensing; S. Coast Counties or Outer don, W., S.W. suburbs, preferred; must have snug living mmodation; early transfer desired and cash available; would age a neglected, or branch, with view to succession. "Roberts," Woodville Road, Torquay.

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LONDON, S.W.—Junior Assistant required, September 19th; used to quick cash trade; accurate Dispenser; knowledge of Photography; good references essential; state age, height, salary required. Apply 191/8, Office of this Paper.

LONDON, S.W.—Wanted, Counter Assistant, of gentlemanly appearance, with good experience of Drugs and Perfumery, about 25 years of age; hours of work, 8.45 a.m. to 6 p.m. Apply by letter, giving full particulars of experience, to Box 603, Sells' Advertising Offices, Fleet Street, E.C. 4. Personal interview required.

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MIDLANDS.—Assistant, requiring a permanency, about 26 years old, wanted the middle of next month. Please give full particulars of apprenticeship and of other experiences, and state salary required, to 192/1, Office of this Paper.

PORTH, GLAM.—A Junior Assistant; outdoors; reasonable hours; no Sunday duty; state age, experience, salary, and when disengaged. T. Davies, The Bridge Pharmacy, Porth.

STAFFORDSHIRE.—Capable Junior Assistant required for September 26th; permanency if satisfactory; state age and salary required. Apply 190/24, Office of this Paper.

SUTTON-ON-SEA, LINCS.—Male Junior Assistant wanted; outdoors; please give full particulars and references, and state salary required. Apply to Frank Kirkby, Sutton-on-Sea.

A JUNIOR Assistant, unqualified, required (in two weeks' time) for good-class Dispensing and Family business, S.W. district, with knowledge of Photography, Dispensing, and usual Retail; outdoors; one other Assistant kept. Full particulars, age, height, salary desired, to "Systema" (193/21), Office of this Paper.

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JUNIOR lady for putting up stock and general work in Pharmacy, wanted (immediately). Apply S. Mellins, Chemist, 50 Great Garden Street, E. 1.

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JUNIOR male Assistant, commencing September 26, for Light Retail business; Dispenser kept. Give full details of experience, age, salary required (outdoors, no Sunday duty), applications unanswered in 3 days declined, enclose photo, to A. Middleton & Son, Lister Gate, Nottingham.

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LOCUM wanted, qualified, male, for 3 weeks from September 12th; East Coast resort; state age and usual particulars and salary required (outdoors) and latest referenoes. Apply 194/13, Office of this Paper.

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PLAISTER & CO., 13 Gledhow Terrace, S.W. 5, require unqualified Junior (male); please state height, experience, and salary required. Apply, by letter in the first instance, to A. D. c/o Plaister & Co., 13 Gledhow Terrace, S.W. 5.

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UNQUALIFIED, active young Assistant, for Counter and general Pharmacy work; single, and with knowledge of Photography preferred. Atkins & Son, Chemists, Salisbury.

WANTED, competent Junior Assistant, age 22 to 23, for middle-class Counter trade; little Dispensing; outdoors. Apply, with particulars of experience, height, and photo, to C. F. Hitchen, Chemist and Optician, 20 High Street, Uxbridge.

WANTED, first-class Counter Hand, unmarried, unqualified, age about 30, for good-class Light Retail, to take control of shop; commence September 10. Applications, in writing, to S. J. Coley, Ltd., Stroud, Glos.

WANTED, for Liverpool district, qualified Manager for branch; knowledge of Photographic trade essential; good prospects and progressive post for energetic business man. Apply 191/30, Office of this Paper.

WANTED, competent Assistant (male), single, about 30, for Dispensing, etc., in middle-class business; no Optics, Photography, or Dentistry; outdoors; qualification not essential; comfortable berth in country town; good references required; applications unanswered in four days declined. Apply 193/23, Office of this Paper.

25/-, THREE evenings a week (about 6½ hours in all), to a qualified Assistant. 25 Friern Barnet Road, New Southgate, N. 11.

WHOLESALE.

BERKS, BUCKS, BEDS, AND OXFORDSHIRE.—Representative, with an established connection amongst Chemists on the above grounds, required to carry winter Packed Goods (well known) on a good commission basis. Apply "Quality," 30 Brackley Road, Chiswick, W. 4.

DEVON.—An Assistant required in the Wholesale Warehouse with some knowledge of Patents and Proprietaries, for putting together of orders and superintending packing and despatch; state age, experience, and salary required. Apply 191/21, Office of this Paper.

LANCASHIRE.—Young man required to assist in manufacturing Pharmaceutical Preparations, and in general Warehouse duties; permanency to a competent and reliable man. State age, wages required, and full particulars of experience, to 190/35, Office of this Paper.

LANCASHIRE house desires to communicate with a gentleman as Representative, calling upon Doctors and Chemists in Yorkshire and part Lancashire; an interest would be considered to suitable persons after probationary service; gentlemen of good standing and address, and having a good knowledge of the Drug trade, will only be considered; those having an established connection in the above areas will be given priority. Apply, stating qualifications, salary, etc., in confidence, to 15/57, Office of this Paper.

A MAN wanted for making Creams, Face Powders, Shampoos, etc., and to be generally useful; must be experienced, willing worker; no trade-union men need apply; state salary, etc. Apply 191/6, Office of this Paper.

WALES, Cheshire, Staffs, Worcester, Warwick, Shropshire, Hereford, Monmouth, Gloucester (except Bristol).—Live Salesman, with non-competing lines, for all or part territory, to sell "Red Band" Bis. Mag., etc.; good commission. Red Band Chemical Co., Richmond Terrace, Edinburgh.

VACANCY occurs on the representative staff of important London Company in the business of Pharmaceutical and Surgical Products. Applications are invited from gentlemen with de experience and first-class connection, particulars should in-de territory covered during last three years, nature of products presented, age, remuneration required, and be addressed to Credentials" (11/16F), Office of this Paper.

OLOURS and Essences.— Practical man wanted by London Manufacturers; good position and first-class prospects, and interest in the profits might be given later. Reply, in confi-nce, 194/22, Office of this Paper.

XPERIENCED Representative wanted for Wales, also for South of England; Drugs, Packed Goods, Tablets, etc.; previous nection essential. Apply by letter, giving full particulars, age, erience, and salary required, 186/140, Office of this Paper.

OREWOMAN required in London factory to take charge of staff in the manufacture of Surgical Dressings; applicants uld have practical experience in the work and have been en-ged in similar capacity. Applications should state nature of vious employment, length of service, and salary required, to F. J." (11/160), Office of this Paper.

MPORTERS of French Toilet articles having wholesale con-nection require Scottish and London Representatives who have d Retail connections; salary, expenses, and commission. Apply 29D, Office of this Paper.

EPRESENTATION wanted for Newcastle and district to carry Compressed Tablets, Photo and Toilet lines on commission d part expenses. Write White Band Manufacturing Co., Ltd., mp Pail, Croydon.

EPRESENTATIVE wanted for Wales and West Midlands; Drugs, Chemicals, Packed Drugs, and Tablets; connection ential. Apply by letter, stating age, experience, and terms uired, The Turner Drug and Galenical Co., Ltd., Ilford, ndon, E.

REPRESENTATIVES.—We are a young and progressive house. Our goods, prices, and terms excellent. Our big difficulty is that CLEVER PROGRESSIVE SALESMEN ARE SCARCE. We have interviewed scores of order collectors. We pay good salary, expenses, and commission, and we want really high-class representation. The man who knows an opportunity when he sees it is the man we desire to meet. Representatives with good connections amongst Chemists will have preference, but it is not essential, if you can get, build, and hold business. Send full particulars as to age, post, and present position, and all helpful information in support of your application. Remember you have to show us excellent reasons why you should be appointed. We are not interested in the £350 per year man. This is a unique opportunity and a progressive and permanent position. No personal application or correspondence will be entertained. Successful applicants will be interviewed. We have six vacancies in England and Wales, and two in Ireland. Applications to Sales Manager, Violiv Mfg. Company, Ltd., Caledonian Works, Caledonian Crescent, Edinburgh. Mark in left-hand corner "Representative."

EPRESENTATIVES for Packed Goods and Toilet Preparations, to take over existing connections (1) Midlands, (2) est of England and Wales; no objection to non-competing line; alesman, with good sound connections, will find this a lucra-ve proposition. Full particulars of experience, territory, etc., 194/7, Office of this Paper.

EQUIRED, some good Representatives for a high-class line being launched in a large and entirely novel advertising heme; very liberal commission to right men, and that only; rmanency, and no objection to other lines. Write only, first, Milkalene Dept., The One-a-Head Novelty Co., 113 Newington auseway, London, S.E. 1.

ESIDENT Representatives, with connections among Retail Chemists, for South England, Midlands, Scotland, and Wales, quired by Wholesale Druggists and Sundriesmen and Patent edicine Vendors; also live man with connection for London. tate terms, etc., to P.C.B. 19/21, Office of this Paper.

RESIDENT Representatives for Scotland, Eastern Counties, West of England wanted for sale of Combs of all kinds, Hair Ornaments, Tooth and Hair Brushes at very competitive prices; good commission. Apply P.C.B. 19/20, Office of this Paper.

RESPONSIBLE REPRESENTATIVES required, calling upon Chemists, to carry, on commission, largely advertised lines by well-known manufacturers, which do not compete in any way with Pharmaceutical Preparations, but are used on Farms and Gardens; only first-class men, with sound connections and able to give the necessary guarantee, will be entertained. Replies, in strict confidence, giving full particulars and districts covered, to 15/55, Office of this Paper.

RESPONSIBLE Representative required, for Eastern Counties, for one of the oldest first-class Proprietaries, known to every chemist; commission basis only; one line only, so no samples or troublesome reports required; a useful addition to income can be made by a good man with an existing connection with best Pharmacists. Reply, in strict confidence, stating present principals, and full particulars of territory and journeys, to 45/33B, Office of this Paper.

SALESMEN, with connection, wanted to sell, on liberal terms, non-competitive, nationally advertised Specialty to Chemists, on commission basis; exclusive territory; strong co-operation. H. P., 46 Goswell Road, E.C. 1.

TABLET-MAKER; North of England; permanency; man required to take full charge of room; capable machinist and granulator; state age, experience, and salary. Apply "B. M." (13/46), Office of this Paper.

TRAVELLER, with connection among Chemists, Hairdressers, and Stores, for new enterprising Druggists' Sundries and Toilet Requisite house; actual makers of some lines; good opportunity for smart man with connection. Apply "L. L." (P.C.B. 19/22), Office of this Paper.

TRAVELLERS, having good connection, required, commission basis, to push Pharmaceuticals at exceptionally low prices. P.C.B. 20/13, Office of this Paper.

TRAVELLERS wanted, on commission, to push high-class French Perfumes and Toilet Preparations. Write, first instance, M. Boton, 8 Cheriton Place, Folkestone.

WANTED, by old-established firm of manufacturing Chemists, Travellers calling upon Chemists in all districts of London and suburbs, to introduce competitive, well-packed, and ready-selling winter lines, on a high commission basis; good scope for the right men. Write, in strict confidence, stating districts covered and lines now carried, to "Sales Manager" (P.C.B. 17/7), Office of this Paper.

WANTED, first-rate, whole-time, experienced Salesmen, with connection amongst Chemists, for London, South Coast, Midlands, and North of England, by well-known house manufacturing Toilet Preparations; only those who can prove past successful selling abilities need apply; salary, commission, and expenses. Write, stating in strict confidence full particulars, ground covered, and extent of connection, to 191/60, Office of this Paper.

WANTED, Pill- and Tablet-maker; one able to coat both pills and tablets; permanent post to capable man. State particulars to "Drugs" (21/25L), Office of this Paper.

WAREHOUSEMAN, experienced, wanted for sole charge of Chemist and Druggist department; Packed Goods and Patent Medicines chiefly. Apply Hardy & Son, Wholesale Grocers, Salisbury.

WORKING Foreman wanted for Pill and Tablet Department, London, East; must be experienced in manufacture and coating. Apply by letter, giving age, full experience, and salary required, 186/14, Office of this Paper.

YOUNG man with practical Retail experience required in advertising department of London Wholesale house; may be qualified or unqualified, but must be a good Salesman and possess a taste for advertising, type display, and design. Full particulars of age, experience, and salary required, and specimens of any advertising done, to 45/32, Office of this Paper.

RETURNING PHOTOS, &c.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

6s for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

SHANGHAI.—Assistant, British-born, age about 28, with first-class experience, for high-class Dispensing and Photographic business. Apply, with full particulars, in writing, to Dakin Bros., Ltd., 82 Middlesex Street, E. 1.

SHANGHAI.—Assistant, British-born, age about 25-30, with Minor qualification, for high-class Dispensing and Photographic business; 4 years' agreement; this vacancy presents an unusually attractive prospect for an experienced man, ambitious to get on. Apply, with full experience, to 7/27D, Office of this Paper.

SITUATIONS WANTED.

[HOME.]

RETAIL.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A.A.A.—SOUTHAMPTON district or Hampshire preferred. —Qualified Locum Tenens is disengaged for N.H.I. Dispensing or Dispenser to a Doctor or Hospital for 3 weeks or less from September 7 to September 28, to fit in with subsequent appointment; best references. Write to "Chemist," 235 Gloucester Road, Bishopston, Bristol.

A.A.—QUALIFIED (28), first-class Dispensing and Counter experience, excellent references, permanency desired; North-East country preferred, but not essential. Williamson, 11 Nelson Terrace, Darlington.

A CAPABLE Assistant (lady); 24; 4 years' experience Counter, Window-dressing, Photography, and Accounts; moderate salary; excellent references. Apply 193/13, Office of this Paper.

A QUALIFIED gentleman requires Managership in Blackpool with view to succession. Apply 191/23, Office of this Paper.

A MANAGERSHIP or Senior Assistantship desired by energetic and thoroughly capable Pharmacist, experienced and trustworthy; 30; suburbs preferred; permanency; disengaged shortly; interview could be arranged. "Mac," 453 Romford Road, Forest Gate.

A PHARMACIST, 28, single, qualified 1915, first-class Dispenser, good Counterman, energetic, capable, West-End experience, experienced Wholesale Correspondent, desires post, any capacity, middle September; excellent references. Apply 194/8, Office of this Paper.

A RELIABLE Locum or permanency; excellent experience and references; moderate terms; disengaged. "Chemist," 6 Eastbourne Terrace, London, W.

A RELIABLE Pharmacist, 27, first-class London and provincial experience, seeks position for 6-9 months as Manager or Senior; London preferred. Apply 193/5, Office of this Paper.

ADVERTISER (19), served 3 years' apprenticeship, desires position in good-class Pharmacy; thoroughly reliable, trustworthy; excellent references; free November 7th; South preferable; please state salary. Hatley, 27 Stanley Road, Oxford.

AN experienced Dispenser (Hall), lady; experienced Hospital, Institution, and Surgery; excellent testimonials; in London or near. Apply 189/34, Office of this Paper.

AS Assistant Dispenser; age 27; married; three years' experience as Assistant Dispenser and Dresser. M.L. 75250, Office of this Paper.

AS Junior; Dispensing, Counter, and Stock; disengaged shortly; good references. "Beta;" 82 Estcourt Road, Fulham, S.W. 6.

AS Manager or Assistant; qualified; 23; six years', experience North and South; excellent references; London, South, or Midlands. Apply 191/28, Office of this Paper.

AS Manager; elderly, qualified; good references; all-round experience; permanency. W. Wilson, 15 Sheen Lane, Mortlake, Surrey.

ASSISTANT; 23; ex-officer; Part I. qualified; good all-round experience; excellent references; disengaged. Apply 190/31, Office of this Paper.

ASSISTANT (23), Part I. qualification, requires Dispensing experience; three years shop, nine months college training. Meynell, Raskelf, York.

ASSISTANT, unqualified, experience Dispensing, Counter, and Window-dressing, desires immediate berth; good references. Apply 191/38, Office of this Paper.

ASSISTANT, 31, unqualified, married, open for engagement, Locum or permanency; disengaged August 31st; 13 years' experience; accustomed to take charge. "Smythe," "Braeholm," Paton Street, Alloa, Scotland.

ASSISTANT, Student, 9 months' course at School of Pharmacy, desires part-time work, Dispensing, etc., Doctor or Chemist, in Derby. Apply "Advertiser," 28 Langley Street, Derby.

ASSISTANT or Branch Manager, qualified, 26, tall, desires an immediate berth; first-class Dispensing and Counter experience; Lancashire or Yorkshire preferred. Carter, Red Bank Road, Bispham, Blackpool.

ASSISTANT, unqualified (30); good experience Counter and Dispensing. Gerrard, 26 Lisle Street, W.C. 2.

ASSISTANT or Branch Manager, disengaged; mixed trade; Prescribing and Extracting; age 48 years; married. "Extractor," 57 Lichfield Road, Bow, London, E. 3.

ASSISTANT; 33; tall; Dispenser, Counterman; good appearance. "Rhei," Trensale House, Pelesworth, near Tamworth, Warwickshire.

ASSISTANT; 36; 5 ft. 11 in.; unqualified; single; disengaged; Dispensing, Counter, Optics, and Photography; good references. "Statim," c/o Mrs. Trigg, 1 Merton Road, Malvern Links.

ASSISTANT; 28; unqualified; 13 years' experience Dispensing, Counter, Photography; disengaged September 12th. H., 91 Harvist Road, N.W. 6.

ASSISTANT or Locum; unqualified; 42; tall; very moderate salary; excellent experience; London or suburbs only. Apply "A. D." (193/16), Office of this Paper.

ASSISTANT or Dispenser; 26; first-class varied experience; permanency; please state full particulars. "Provincial" (193/2), Office of this Paper.

BATH District preferred; Junior (20½); four years' exceptional Dispensing experience; personal interview arranged. Moore, 7 Clifton Road, Weston-super-Mare.

CAPABLE Assistant requires good permanent berth; highly recommended. Address replies Herbert, 11 Victoria Avenue, Ore, Hastings.

DALIWCH SYLU.—Qualified, 25, smart, industrious, excellent experience, requires post as Assistant; disengaged. Kindly write Roberts, Clwydian Cottage, Denbigh, N. Wales.

DENTISTRY.—Gentleman, good experience Surgical and Mechanical, Dispensing and Counter, seeks appointment with Chemist. Apply 193/12, Office of this Paper.

DISPENSER (lady), Hall, experienced, seeks post. Reply 189/32, Office of this Paper.

DISPENSER or Chemist's Assistant; 21; 4 years' experience as Apprentice and Assistant. M.L. 590, Office of this Paper.

DISPENSER (lady), Hall, desires post, Doctor, Hospital, or Institution; experienced; good testimonials. 39 Kempshott Road, Streatham Common, S.W. 16.

EX-OFFICER desires appointment at once; over 18 years on the clerical staff of well-known Northern Drug house; not afraid of work or hours. "Friday" (191/29), Office of this Paper.

EXPERIENCED Assistant, unqualified, married, tall (38), Counter, Dispensing, Photo, etc., desires permanency, London. "Aspirin," 23 Doughty Street, Holborn, W.C. 1.

GENTLEMAN (38), small income, would accept nominal salary Dispensing, Retail; references; unqualified; or with part board or indoors. "Chemicus" (194/10), Office of this Paper.

IMMEDIATELY; qualified; 24; married; Dispensing, Counter Photographic, and Agricultural experience; references Barnes, Thistlewood, Dalston, Carlisle.

IMMEDIATELY.—Capable Assistant; 51; highest references abstainer; outdoors; accustomed take charge; Dispenser Prescriber. "Statim," 390 Clapham Road, S.W. 9.

JUNIOR Assistant (19), 3½ years' experience (including apprenticeship), good reference, free end of September; London or S.E. Coast preferred. Apply 190/26, Office of this Paper.

JUNIOR requires situation; Manchester or district; six years experience; moderate salary. Hooley, at Leach, Chemist Market Place, Macclesfield.

LADY Dispenser (young), Hall, desires post, preferably Hospital or Chemist; Tor Bay district or Dartmouth. Hillside Paignton, Devon.

LADY, 20, three years' experience, Manchester or Liverpool district, desires to attend classes one day a week to complete Hall; good at Dispensing and Counter. Apply 192/9, Office of this Paper.

ADY Dispenser (Hall), who has not dispensed for 6 years, willing to give services free 3-4 evenings for 2 months in turn for opportunity to revise Dispensing; Doctor preferred; highest Secretarial qualifications. P.C.B. 20/16, Office of this Paper.

OCUM, Major, 49, disengaged now; experienced Dispenser, Counterman, Photography; excellent references. Anthony, Burlington Road, Westbourne Park, W. 2.

OCUM or permanency; qualified; capable; excellent testimonials; free September 4th. M., 74 Culverden Road, Balham, S.W. 12.

OCUM; qualified; experienced and reliable; abstainer; disengaged August 29. "S.," c/o Foreman, 120 Barrow Road, Streatham Common, S.W.

OCUM; thoroughly capable worker; excellent references; abstainer; London or country; disengaged. F., 39 St. Thomas Road, Finsbury Park, N.

OCUM or permanency; 15 years' experience Dispensing, Counter, Photographic; disengaged August 29. Benson, 41 Gratthall Road, Wanstead, Essex.

OCUM or Assistant; qualified (26); capable, energetic; abstainer; good-class Dispensing and Counter experience; excellent references. Milward, 8 Newstead Terrace, Buxton.

OCUM, disengaged in a fortnight (September 14th); qualified; 30 years' wide experience; moderate terms to seaside gentleman taking after-season holiday. M. Smith, Pharmacist, Addenbrookes' Hospital, Cambridge.

OCUM, 27, qualified, disengaged September 5th onwards; highest references; on British Drug and leading Wholesale lists. "Locum," c/o Mrs. Edkins, 10 The Vale, Acton, W. 3.

OCUM, qualified; 26; energetic; highest references; terms moderate; good Counterman and Dispenser. "M.P.S.," 96 Stocks Street, Manchester.

OCUM; now disengaged; qualified; thoroughly experienced; town and country; elderly, very active; good Salesman; all recommended. Apply 194/2, Office of this Paper.

ONDON.—Unqualified requires permanency; College trained; West-End experience; 26; state hours, salary. Watkins, Clyd, Aberdare.

L.P.S., SQUARE trained, 27, requires post as Manager or Assistant; smart, keen, energetic Salesman; liable Dispenser; eight years' experience; also Photography; excellent references. "M.P.S.," 16 Victoria Avenue, Sowerby Bridge, Yorkshire.

L.P.S. (LADY) desires post immediately; Retail, Institution, and Medical experience; good references. Apply Tonks, 1 Tower Road, Kingswood, Bristol.

L.P.S., DISENGAGED, 50, requires position as Branch Manager or Locum; excellent references; experienced all branches. "R." (192/39), Office of this Paper.

MANAGER or Assistant; 27; qualified; knows French; 10 years' experience. M.L. 11044, Office of this Paper.

MANAGER, 30, present branch showing considerable increase, desires management of good-class business capable of development; London or West Essex preferred; West-End experience; abstainer. "Para" (184/38), Office of this Paper.

MANAGER or Assistant; unqualified; experienced in all branches; thoroughly capable and trustworthy; 22 years in three situations. W. J. M., 89 Charlton Road, Blackheath, S.E.

MANAGER.—Post required in London suburb, with good prospects to competent man and view to succession. "Thorough" (194/11), Office of this Paper.

MANAGER; qualified; over 8½ years in present City position as Manager; best references and experience; Chemical and Physical Medallist. "Delta," 163 Eswyn Road, Tooting, S.W. 17.

MANAGER or Senior, unqualified, 15 years' West-End and provincial experience, seeks responsible position; plenty push and energy. "Phenol" (194/26), Office of this Paper.

I consider he was very conversant with all branches of the business and would make a capable Manager of a big business."

MANAGER or Assistant for country town Agricultural and Family trade; energetic and keen; 37; married. "Qualified," Brampton Road, St. Albans.

OCTOBER.—M.P.S., age 45, will require permanent engagement in October; high-class and responsible position; town or country; references the best; courteous and reliable; fixed salary on commission basis. Apply Manager, Manning & Son, Chemists, Cirford, Glos.

PART TIME (mornings or afternoons).—Woman Dispenser (Apothecaries' Hall) will be free about middle of September; years' experience with Doctor and Chemists; good references; London. P.C.B. 17/20, Office of this Paper.

PART TIME, evenings; Minor qualification; male; good all-round Counter and Dispensing experience. "Pharmacist," 52 Northfield Avenue, Ealing, W. 13.

PASSED the Qualifying Exam. except "Poison Law," 22, desires permanency with Wholesale house; 2½ years' experience; references. B. Askew, Beckfoot, Bingley, Yorkshire.

PHARMACIST (44), as Branch Manager; whole- or part-time situation; disengaged. "A. G.," 12 Linwood Street, Greenheys, Manchester.

PHARMACIST, 39, married, 20 years' West-End experience, desires post as Manager, with or without view to succession; or partnership entertained; London. Apply H. Cooper, 3G Portman Mansions, W.

PHARMACIST, qualified 1914, 28, married, desires permanent position as Manager; London, S.W., preferred; good all-round experience. Apply 193/39, Office of this Paper.

PHARMACIST; 42; experienced; Branch or Senior; energetic, reliable; not afraid of work; best references; disengaged middle September. Apply 194/19, Office of this Paper.

QUALIFIED, experienced Hospital Dispenser, Nurse, desires post, Doctor or Institution; disengaged September. Apply 190/27, Office of this Paper.

QUALIFIED, 27, desires post as Manager; sole reason for leaving being to better himself; good town experience. Apply 191/20, Office of this Paper.

QUALIFIED (39); married; experienced Dispensing, Prescriber, Counter, Photography; good appearance; initiative; moderate salary. "Energy," 21 Plough Road, S.E. 16.

QUALIFIED Chemist; 20 years' experience; reliable; long reference; permanency. M., 13 Locket Road, Wealdstone.

QUALIFIED, requires permanency; Manchester preferred; highest references; 26; good Counterman and Dispenser. "M.P.S.," 96 Stocks Street, Manchester.

QUALIFIED, 20 years' London experience, seeks position as Managing Partner. "Alka" (194/30), Office of this Paper.

RECOMMENDATION.—Mr. Gray, 1 Colonnade, Hawkhurst, wishes to recommend his late lady Dispenser; exceptionally efficient; 3 years with Allen & Hanburys, Vere Street.

SITUATION wanted by smart gentlemanly Assistant; excellent Salesman, accurate Dispenser; abstainer; passed Part I.; age 28; temporary or permanent; excellent references; any district; state salary. "Perlo" (194/20), Office of this Paper.

SMART young lady, 25, requires situation in a Chemist's for Counter, Packing, or Cashier; 5 years' good experience. Apply 194/15, Office of this Paper.

UNQUALIFIED Assistant, young, desires position; London, S.W., preferred. Apply "P.," c/o J. H. Rogers, Esq., Chemist, Broughton, near Wrexham.

UNQUALIFIED (27), married, requires permanency in or near London; highest references; disengaged; state salary. Waters, 21a Halliford Street, Islington, N. 1.

VACANCY required for L.P.S. (Ireland); Dispensing, Veterinary, Photographic experience; 29 years of age; I.C.; City and country experience. Apply 192/32, Office of this Paper.

YOUNG lady (18) seeks employment; three years' experience Drugs and Chemicals, weighing and packing. Barnard, 18 Grange Road, Ilford.

WHOLESALE.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

A REPRESENTATIVE-SALESMAN, with strong connection among London Wholesalers and Stores, open for representation of first-class firm only; salary and commission basis; trained London College of Pharmacy; willing to go abroad. "Cyanide," 4 Kingston House, Camden Street, N.W. 1.

A TABLET Maker and Coater, with 12 years' thorough experience, requires situation; good organiser; good references; age 30. Apply 191/24, Office of this Paper.

AS Representative, thorough knowledge of trade; good and sound connection for first-class houses only. State terms to "B. P.," 17 Independent Street, Nottingham.

ASSISTANT or Traveller; 33; married; knowledge of French; 6 years' experience as Chemist's Assistant; general business training. M.L. 43432, Office of this Paper.

CHEMIST, wanting outdoor occupation, desires position as Representative for first-class house. Full particulars to "Zingib" (192/19), Office of this Paper.

DISENGAGED; experienced Office, Warehouse; expert checker, Chemicals, Drugs, Sundries; practical, reliable worker. "Smart," 122 Scott-Ellis Gardens, N.W. 8.

DISPENSER, 18 years' practical experience; could take charge Medical or Surgical Store; Wholesale preferred. W. L. Brodie, 99 Mortimer Road, Itchen, Southampton.

SHOP FITTINGS.

Owing to the sale of my interest in the lease of the Burnaby Pharmacy, Greystones, to the Royal Bank of Ireland, the practically new and handsome oak fittings supplied by Philip Josephs & Sons, three years ago, are for sale.

They comprise: About 40 ft. of wall casing, 9 ft. high, upper portion with sliding glass doors, lower portion sliding oak doors and presses, and glass-labelled drawers.
One 9 ft. glass counter with 4 mirrored doors and 2 glass shelves, attached to which are 2 perfume cases, behind which is fitted desk with drawers beneath and wrapping counter with drawers also.
One 16 ft. run dispensing screen, having 8 mirror-backed glass cases with glass shelves, and 16 ft. plate-glass topped counter behind, with 3 nests drawers and shelving.
One 5 ft. glass block counter, mirrored doors, with one glass shelf.
About 20 ft. of window enclosure with Cathedral glass doors 6 ft. high, complete with fittings and handsome glass shelves, together with 6 mirrored divisions about 5 ft. high.

What offers for the lot as they stand?

Applications to V. E. HANNA, 70 Lower Mount St., DUBLIN.

ENERGETIC young man, University education, good knowledge Chemistry and Factory experience, seeks position with firm of Chemical Manufacturers in Laboratory, Factory, or Office; London or provinces; good references. Apply 194/14, Office of this Paper.

LABORATORY Assistant, unqualified, 26, ex-Service, desires permanent position in London Wholesale house; good all-round experience as Apprentice and Assistant in West-End Pharmaceutical Laboratory. Apply 192/8, Office of this Paper.

MAN, 35, worker, several years Essential Oil and Perfumery Department, wants situation. Davison, 34 Rotherfield Street, Islington, N.

MANUFACTURING Chemist, 24, educated Hartley University, fluent Spanish, good knowledge Chemistry, manufacturing and Pharmaceutical, buying experience, wishes to go abroad; Spain or Spanish-speaking countries. Apply M.L. 13256, Office of this Paper.

PART-TIME services offered by qualified Analytical and Pharmaceutical Chemist; London only. Apply 192/31, Office of this Paper.

PILL-MAKER, experienced, requires situation, or any other capacity, in Wholesale house; disengaged. Lusker, 2 Witherington Road, Highbury.

POSITION of trust; permanency; Wholesale; eight years' Chemistry experience; keen, trustworthy, abstainer; qualified Company Secretary, certified Bookkeeper; age 30; cash security if required. W., 174 Sheen Road, Richmond.

REPRESENTATIVE (Chemist), 24 years' connection from Liverpool to Plymouth, open to represent first-class house; strictest references. "Clarke" (192/2), Office of this Paper.

SALESMAN, Manager, or Buyer in the Chemical trade; 37; single; 15 years' experience as Junior to Departmental Manager, 1 year as Buyer and Salesman to Chemical Merchants, also 2 years' experience as Manager of Chemical Department for General Merchants. M.L. 2915/21, Office of this Paper.

UNQUALIFIED, 26, seeks permanent post with Wholesale house; good all-round experience; excellent testimonials; disengaged. Apply Rennison, 1 Grange Road, West Hartlepool.

WHOLESALE or Retail; 22; trained at London College of Pharmacy; five years' experience; willing to go abroad. M.L. 6039/21, Office of this Paper.

WORKS Manager; 31; married; six years as Chief Clerk to Merchants, and 1½ years Departmental Manager, Chemical Merchants; knowledge of commercial Buying and Selling, Typewriting and Bookkeeping. M.L. 93449, Office of this Paper.

YOUNG man, 22, good Electrician, wants situation as Storekeeper or help in Laboratory. P.C.B. 20/5, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

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